

CURRICULUM VITÆ – PHILIP L. FRANA

CONTACT INFORMATION

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CURRENT APPOINTMENT

James Madison University, Professor, Department of Interdisciplinary Liberal Studies,
Independent Scholars & Honors College (Summer 2013–present)

James Madison University, located in Harrisonburg, Virginia, is a Carnegie R2 Doctoral public university enrolling over 22,000 students. More than 22% of JMU undergraduates are students of color. The university offers 76 bachelor's degrees, 53 master's degrees, and 8 doctoral degree programs.

PAST APPOINTMENTS

James Madison University, Harrisonburg, VA: Associate Dean, Honors College (2016–2020);
Interim Director, Honors Program (2014–2015); Associate Director, Honors Program (2013–2014).

University of Central Arkansas, Conway, AR: Director of Undergraduate Research, Schedler
Honors College (2005–2013); Assistant & Associate Professor of Science & Technology Studies
(2004–2013).

University of Minnesota, Charles Babbage Institute, Minneapolis, MN: NSF Project Manager &
Senior Research Fellow (2000–2004).

Iowa State University, Ames, IA: Instructor & Visiting Assistant Professor, History Department &
University Extension and Outreach (1996–2000)

William Penn University, Des Moines, IA: Instructor, AALS Program, College for Working Adults
(1998–1999)

Complementary Experience

Member, Individualized Major Programs Network Steering Committee (2020–present)

Member, NCHC Diversity Committee (2008–2009, 2018–present)

Member, JMU Graduate School Executive Council (2017–present)

Co-Founder, JMU Independent Scholars (2015–present)

Head of Curriculum & Instruction, JMU Honors College and University Studies (2018–2023)

Vice President, President, and Past President, Virginia Collegiate Honors Council (2018–2021)
 Chair, NCHC Two-Year to Four-Year Transfer Committee (2015–2021)
 Member, NCHC Program Committee (2007, 2009, 2012–2021)
 Academic Unit Head JMU Honors College (2018–2020)
 Fellow, JMU Entrepreneurship Fellows (2016–2020)
 Member, JMU Faculty Research Council (2014–2020)
 Member, JMU Associate Deans Team (2014–2020)
 Chair, Honors College Self Study and Academic Program Review (2018–2019)
 Member, JMU Provost’s Faculty Diversity Council (2017–2018)
 Executive Secretary-Treasurer, Southern Regional Honors Council (2011–2017)
 Member, JMU Innovation, Creativity, and Collaboration (ICC) Task Force (2015–2016)
 Chair, JMU Madison Honors College Strategic Planning Task Force (2014–2015)
 Participant, IMPACT³ Professional Leadership Development Program (2014–2015)
 Four-Year University Representative, Virginia Collegiate Honors Council (2013–2015)
 Interim Dean & Academic Unit Head, JMU Honors College (2014–2015)
 Member, JMU University Programs Leadership Council (2014–2015)
 Assistant Dean, UCA Honors College (2010–2013)
 Member, UCA Retention Committee (2007–2012)
 Chair, National Collegiate Honors Council Research Committee (2007–2008)
 Chair, National Collegiate Honors Council Technology Committee (2004–2006)
 Founding Editor, *The Independent Scholar*
 Founding Editor, *Iterations: An Interdisciplinary Journal of Software History* (ISSN 1541–843X)

EDUCATION

Ph.D. History of Technology and Science, Iowa State University, Ames, IA (1999)

Areas: History of Technology, History of Medicine, History of Science, History of the Social Sciences, Quantitative Methods

M.A. History of Technology and Science, Iowa State University, Ames, IA (1995)

Areas: Economics, American History, World History, Secondary Education and Community College Teaching Certification

B.A. History and Economics, Wartburg College, Waverly, IA (1991)

Summa Cum Laude/Valedictorian

RESEARCH

Publications

“Assessing Smart Nation Singapore as an International Model for AI Responsibility,”
International Journal of Responsibility, special issue on ‘AI Responsibility,’
 forthcoming.

- “Creating a Diverse Honors Faculty Through Collaborative Relationships within the Community and the University,” *Honors in Practice*, forthcoming.
- “What Policy Makers Need to Know About Quantum Information Science,” *Atlantic Council Issue Brief*, forthcoming.
- “The Political Economy of Quantum AI,” in *Convergence: Artificial Intelligence and Quantum Computing—Applications and Use Cases*, vol. 2, edited by Greg Viggiano, forthcoming from Wiley.
- “Quantum AI in Healthcare,” in *Convergence: Artificial Intelligence and Quantum Computing—Applications and Use Cases*, vol. 2, edited by Greg Viggiano, forthcoming from Wiley.
- “The Digital Devil,” in *The Routledge History of the Devil in the Western Tradition*, forthcoming from Routledge University Press.
- “How Honors Advising is Different,” introductory chapter in *Advising for Today’s Honors Students* (Lincoln, NE: National Collegiate Honors Council, 2023), 3–30.
- “Honors Mindsets and Motivations,” in *Advising for Today’s Honors Students* (Lincoln, NE: National Collegiate Honors Council, 2023), 55–71.
- “Harnessing the Potential of AI,” *Madison: The Magazine of James Madison University* 46, no. 3 (Fall 2023): 32–39.
- “What Policy Makers Need to Know About Artificial Intelligence,” *Atlantic Council Issue Brief* (June 29, 2023).
- “Demographics, Inc., Computerized Direct Mail, and the Rise of the Digital Attention Economy,” *IEEE Annals of the History of Computing* 45, no. 2 (April-June 2023): 15–28.
- “Quantum Planet Hacking: Quantum AI and Climate Change,” in *Convergence: Artificial Intelligence and Quantum Computing—Social, Economic, and Political Impacts*, vol. 1, edited by Greg Viggiano (Hoboken, NJ: Wiley, 2023), 93–109.
- “What is Quantum Computing?” In *Convergence: Artificial Intelligence and Quantum Computing—Social, Economic, and Political Impacts*, vol. 1, edited by Greg Viggiano (Hoboken, NJ: Wiley, 2023), 221–238.
- “What is Artificial Intelligence?” introductory chapter in *Convergence: Artificial Intelligence and Quantum Computing—Social, Economic, and Political Impacts*, vol. 1, edited by Greg Viggiano (Hoboken, NJ: Wiley, 2023), 239–246.
- “Using Algorithmic Imaginaries and Uncanny Pedagogy to Facilitate Interdisciplinary Research and Digital Scholarship,” *Honors in Practice* 18 (2022): 81–95.
- Encyclopedia of AI: Past, Present, and Future of Artificial Intelligence, Robotics, and Automation* (Santa Barbara, CA: ABC-CLIO, 2021).
- “Telematics and the Early History of International Digital Information Flows,” *IEEE Annals of the History of Computing* 40, no. 2 (April-June 2018): 32–47.

- “Best Practices in Two-Year to Four-Year Honors Transfers,” *Honors in Practice* 13 (2017): 9–20.
- “An Interview with Stephen A. Cook,” *Communications of the ACM* 55, no. 1 (January 2012): 41–46.
- “An Interview with Edsger W. Dijkstra,” *Communications of the ACM* 53, no. 8 (August 2010): 41–47.
- “Implementing Wikis in Honors Courses,” *Journal of the National Collegiate Honors Council* 10, no. 2 (Fall/Winter 2009): 53–56.
- “Medicine and the Family in the 1930s,” in *Great Depression: Peoples and Perspectives*, edited by Hamilton Cravens (Santa Barbara, CA: ABC-CLIO, 2009), 65–84.
- “Charles V. Chapin (1856–1941),” “Joshua Lederberg (1925–),” “Mark I,” “Norbert Weiner (1894–1964),” and “SAGE (Semi–Automatic Ground Environment),” in *Research and Discovery: Landmarks and Pioneers in American Science*, ed. Russell Lawson (Armonk, NY: M. E. Sharpe, 2008).
- “Honors 2025: The Future of the Honors College,” in *Honors in Practice* 4 (2008): 29–33.
- “Automobiles,” “Automotive Technology,” “Canal Boats,” “Locks,” “Minneapolis–St. Paul International Airport,” “Orville Wright,” and “Wilbur Wright,” in *The American Midwest: An Interpretive Encyclopedia* (Bloomington: Indiana University Press, 2006).
- “Encryption and Code Breaking” and “Computer-Aided Control Technology,” in *Encyclopedia of 20th-Century Technology*, ed. Colin A. Hempstead (New York: Routledge, 2005).
- “Battling Smallpox: State and Local Boards of Health,” *Iowa Heritage Illustrated* 86 (Summer 2005): 61–66.
- “A Risk Perceived is a Risk Indeed: Assessing Risk in Biomedical Research and Health Policy,” in *The Social Sciences Go to Washington: The Politics of Knowledge in the Postmodern Age* (New Brunswick, NJ: Rutgers University Press, 2004), 78–109.
- “Marion Dorset and Hog Cholera Research in the Biochemic Laboratory of the USDA Bureau of Animal Industry,” *Veterinary History* 12 (Fall 2004): 228–245.
- “Before the Web There Was Gopher,” *IEEE Annals of the History of Computing* 26, no. 1 (January–March 2004): 20–41.
- “Researching the History of Software: Mining Internet Resources in the ‘Old World,’ ‘New World,’ and the ‘Wild West,’” *Iterations: An Interdisciplinary Journal of Software History* 1 (September 2002): 1–35.
- “A Well-Intentioned Query and the Halloween Problem,” *IEEE Annals of the History of Computing* 24, no. 2 (April–June 2002): 86–88.

- “Testing Physicians’ Limits: Medical Informatics and Diagnostic Decision-Making,” *CBI Newsletter* 22 (Summer 2000): 4–7.
- “Coordinating the Experts and the Masses: The Professions of Health and the Creation of American Community Health, 1915-1940,” Ph.D. diss. Iowa State University, 1999.
- “Smallpox: Local Epidemics and the Iowa State Board of Health, 1880–1900,” *Annals of Iowa* 54, no. 2 (Spring 1995): 87–118.

Academic Presentations

- “A Model for Levels of Autonomy in Technical Communication,” Artificial Intelligence and the Teaching of Technical Communication Conference, Utah Valley University, Orem, UT, March 20, 2024.
- “New Horizons in Teaching Artificial Intelligence to Students from All Majors,” 13th Symposium on Communicating Complex Information (SCCI), Old Dominion University, Norfolk, VA, March 4, 2024.
- “Teaching AI and Ethics in the Interdisciplinary Humanities Classroom,” Society for Ethics Across the Curriculum Conference, Harrisonburg, VA, October 3, 2023.
- “Smart Cities, One World: Singapore’s Response to AI Responsibility,” Terry D. Beitzel Symposium, Gandhi Center, Harrisonburg, VA, September 28, 2023.
- “A First Census of Individualized Postsecondary Programs in the United States,” 14th National Individualized Major Program Conference, New York, NY, 2023.
- “Intellectual Autobiography,” 13th National Individualized Major Program Conference, St. Bonaventure, NY, 2022.
- “Uncanny Simulacra: Pedagogy and Student Artwork as Tools for Interrogating Post-Human Worlds,” Northeast Modern Language Association Convention, Buffalo, NY, 2021.
- “Building a Civic Engagement Foundational Learning Experience: Evolving Partnership of the JMU Honors College and James Madison’s Montpelier,” Engagement for Public Good Conference, Harrisonburg, VA, 2020.
- “Cultivating Community,” Annual Meeting of the National Collegiate Honors Council, Dallas, TX, 2020.
- “Agency and Self-Critique: What Some Minority Students Want from Self-Designed Majors, and How They Can Change Individualized Major Programs from Within,” 12th National Individualized Major Program Conference, Orlando, FL, 2020.
- “Mindsets and Motivation in Honors Advising,” Annual Meeting of the National Collegiate Honors Council, New Orleans, LA, 2019.
- “Helping Individualized Major Students Develop Facility with Complex Concepts,” 11th National Individualized Major Program Conference, Norman, OK, 2019.

- “Confessional Narratives on New Honors Colleges,” Annual Meeting of the National Collegiate Honors Council, Boston, MA, 2018.
- “Gender Diversity in Honors Recruitment and Retention,” Annual Meeting of the Southern Regional Honors Council, Crystal City, VA, 2018.
- “How Assessment Suggested a Change of Focus for James Madison University’s Independent Scholars Program,” 10th National Individualized Major Program Conference, Durham, NC, 2018.
- “Best Honors Administrative Practices in Two-Year to Four-Year Honors Transfers,” Annual Meeting of the National Collegiate Honors Council, Atlanta, GA, 2017.
- “A Second Chance at a First Shot: Collapse, Rebound, and Recovery in Honors College Building,” Annual Meeting of the National Collegiate Honors Council, Atlanta, GA, 2017.
- “Best Practices in Two-Year to Four-Year Honors Transfers,” Annual Meeting of the National Collegiate Honors Council, Seattle, WA, 2016.
- “Surfing Expectations during the Transition to an Honors College; Riding the Waves of Planning, Transition, and Implementation,” Annual Meeting of the National Collegiate Honors Council, Seattle, WA, 2016.
- “Fostering a Culture of Big Plans for Honors Theses: Creativity, Collaboration, and Completion,” Annual Meeting of the National Collegiate Honors Council, Chicago, IL, 2015.
- “Launching a Summer Honors Institute for High School Students,” Annual Meeting of the Southern Regional Honors Council, Greenville, SC, 2015.
- “Individualized Major Programs Assessed through Utopian Analysis,” 7th National Individualized Major Program Conference, Amherst, MA, 2015.
- “Honors Students and the Superman Complex: Dealing with Mental Health and Substance Abuse in Honors Communities,” Annual Meeting of the National Collegiate Honors Council, Denver, CO, 2014.
- “Telematics, Transborder Data Flows, and the History of Computer Security,” Charles Babbage Institute Computer Security History Workshop, Minneapolis, MN, 2014.
- “Using Twitter to Create a Virtual Academic Learning Community and Build Resources for Undergraduate Research,” Annual Meeting of the Southern Regional Honors Council, Savannah, GA, 2014.
- “JMU’s Independent Scholars Major: Program Development in a Large, Interdisciplinary, and Consensus-Driven Institution,” 6th National Individualized Major Program Conference, Philadelphia, PA, 2014.
- “Unsweeping Things from under the Rug: Mental Illness and Substance Abuse in Honors Communities,” Annual Meeting of the National Collegiate Honors Council, New Orleans, LA, 2013.

- “Revising Exemplary Studies and the Honors Research Year at a Carnegie Prof+A&S/SGC School,” Annual Meeting of the Southern Regional Honors Council, Louisville, KY, 2013.
- “Science in Honors: A Different Perspective on Science Education,” Annual Meeting of the Southern Regional Honors Council, Louisville, KY, 2013.
- “Oral History Coffee House with NCHC and SRHC Founders and Contributors,” Annual Meeting of the National Collegiate Honors Council, Boston, MA, 2012.
- “What Honors Website Visitors Want: A Case Study,” Annual Meeting of the Southern Regional Honors Council, Tampa, FL, 2012.
- “Nurturing a Culture of Undergraduate Research and Self-Assessment on a Campus Divided by Pedagogical Factions,” Annual Meeting of the National Collegiate Honors Council, Phoenix, AZ, 2011.
- “Alumni Relations: Keeping the Offline and Online Conversations Going,” Annual Meeting of the Southern Regional Honors Council, Little Rock, AR, 2011.
- “Classroom Rhythms: Strategies for Success in Media-Intensive Classes,” Annual Meeting of the National Collegiate Honors Council, Kansas City, MO, 2010.
- “Demography of Honors,” Annual Meeting of the National Collegiate Honors Council, Kansas City, MO, 2010.
- “Real-Time Outcomes Assessment in Honors Education,” Annual Meeting of the National Collegiate Honors Council, Kansas City, MO, 2010.
- “Serving Glocally: The Promise and Peril of Tracking Volunteerism,” Annual Meeting of the National Collegiate Honors Council, Washington, DC, 2009.
- “Writing Together for the Global Classroom: Incorporating Collaborative Writing into Honors Courses,” Annual Meeting of the National Collegiate Honors Council, Washington, DC, 2009.
- “Axiom Corporation and the Invention of Personalized Direct Mail,” Mid-America Conference on History, Norman, OK, 2009.
- “The Classroom Frontier: How Information Gathering and Extramural Sharing Can Erase Traditional Academic Boundaries,” Annual Meeting of the National Collegiate Honors Council, San Antonio, TX, 2008.
- “Best Practices: Honors Curricula,” Annual Meeting of the Southern Regional Honors Council, Birmingham, AL, 2008.
- “Honors Living-and-Learning Communities and the Residential College Movement,” Annual Meeting of the Southern Regional Honors Council, Birmingham, AL, 2008.
- “Integrating Wikis into Collaborative Class Projects,” Annual Meeting of the Southern Regional Honors Council, Birmingham, AL, 2008.

- “Online Communities Strand,” Annual Meeting of the National Collegiate Honors Council, Denver, CO, 2007.
- “The Future of Honors Education,” Annual Meeting of the National Collegiate Honors Council, Denver, CO, 2007.
- “Tapping Technology in Honors Teaching & Learning,” Annual Meeting of the National Collegiate Honors Council, Denver, CO, 2007.
- “Lessons of Liberation: What Online Community Interaction Can Reveal about an Honors College’s Life,” Annual Meeting of the National Collegiate Honors Council, Philadelphia, PA, 2006.
- “The Liberated Classroom: Improving Face-to-Face Pedagogy through Online Community Tools,” Annual Meeting of the National Collegiate Honors Council, Philadelphia, PA, 2006.
- “Liberty, Equality, Fraternity? The Promise of Online Communities for Fostering Member Involvement,” Annual Meeting of the National Collegiate Honors Council, Philadelphia, PA, 2006.
- “Nudging History Online: From the Mechanics of Immersion to the World of Warcraft,” Society for the History of Technology Annual Meeting, Las Vegas, NV, 2006.
- “Rewiring Plato’s Cave: Exploring the Digital Depths of an Honors Education,” Annual Meeting of the National Collegiate Honors Council, St. Louis, 2005.
- “Reprogramming Human Disease: The Computer as Physician,” American Anthropological Association Annual Meeting, New Orleans, LA, 2002.
- “Building the Robot Doctor: Computer Diagnosis and the Reconfiguration of Human Disease,” Technotopias Conference, University of Strathclyde, Glasgow, Scotland, 2002.
- “Ensuring E-Quality for E-Scholarship: The Charles Babbage Institute’s Software History Project,” American Historical Association Annual Meeting, H-Net Affiliated Sessions, San Francisco, CA, 2002.
- “‘Community Machinery’ for the Discovery of Tuberculosis: Donald B. Armstrong and the Framingham Demonstration,” OAH Midwest Regional Conference, Ames, IA, 2000.
- “Modern American Mental Hygiene,” HOTS Colloquium, Ames, IA, 1999.
- “Iowa’s ‘Forgotten Pandemic’: Grinnell College and the Influenza of 1957,” Iowa History Forum, Des Moines, IA, 1999.
- “A Risk Perceived is a Risk Indeed: Washington Assesses the Risks of Biomedical and Public Health Research,” Public Policy History Conference, St. Louis, MO, 1999.
- “Confronting the Complexities of Modern Industrial Life: Mental Hygiene and the ‘Normal’ American Mind, 1915–1940,” Western Social Science Association Meeting, Fort Worth, TX, 1999.

- “Mental Hygiene and the Modern American Jew,” Phi Alpha Theta Midwest Regional Meeting, Davenport, IA, 1999.
- “Listerism, Listerian Antisepsis, and American Public Health, 1870–1900,” American Association for the History of Medicine Annual Meeting, Williamsburg, VA, 1997.
- “Marion Dorset: Hog Cholera Research in the Bureau of Animal Industry,” American Association for the History of Medicine Annual Meeting, Buffalo, NY, 1996.
- “Listerism and Listerian Antisepsis in Nineteenth-Century American Public Health,” Midwest Junto for the History of Science, Kansas City, MO, 1996.
- “The Bureau of Animal Industry, Miasma, and the New Science of Bacteriology,” Phi Alpha Theta Midwest Regional Meeting, Ames, IA, 1996.
- “The Demographic Transition in Central Iowa: A Quantitative Study of County Death Registers, 1885–1915,” Iowa Heritage Expo, Des Moines, IA, 1995.
- “The Professionalization of Public Health: A Look at the First Quarter-Century of the American Public Health Association,” Midwest Junto for the History of Science, Madison, WI, 1995.
- “Orthodox Medicine and Alternative Health: The Parallel Paths of Aerobics and Music Therapy in Modern America,” Missouri Valley History Conference, Omaha, NE, 1995.
- “Smallpox and the Iowa State Board of Health,” Midwest Junto for the History of Science, Norman, OK, 1994.

Invited Lectures

- “What is Artificial Intelligence and How Can It Be Used?” Virginia Mennonite Retirement Community, Harrisonburg, VA, June 13, 2024.
- “Deep Tech for Good,” Virginia Federation of National Active and Retired Federal Employees, Harrisonburg, VA, April 9, 2024.
- “Promoting Peace, Education, Education, Economy, and the Environment with Artificial Intelligence,” Rotary International, Harrisonburg, VA, March 11, 2024.
- “AI and Complex Information Systems,” Fundamentals of Information Systems, James Madison University, Harrisonburg, VA, February 12, 2024.
- “Cultivating Trustworthy Open Collections of Human Knowledge,” University of Central Arkansas, Conway, AR, October 17, 2023.
- “Artificial Intelligence as an Interdisciplinary Human Endeavor,” Bridgewater College UTC Symposium, Bridgewater, VA, October 9, 2023.
- “AI/ML: A Year in Review,” Atlantic Council, Washington, DC, March 28, 2023.

- “The Future of Honors Education,” Ball State University, Muncie, IN, February 20, 2023.
- “Deaquan Nichols and Independent Scholars,” JMU Advancement Annual Dinner, Harrisonburg, VA, March 24, 2023.
- “The Future of Honors Education,” Ball State University, Muncie, IN, February 20, 2023.
- “Gender Issues in Artificial Intelligence,” JMU ISAT Department, Harrisonburg, VA, recurring for the Gender Issues in Science seminar, March 28, 2018, March 28, 2019, April 2, 2020, March 31, 2021 & April 4, 2022.
- “Honors Creativity,” Developing in Honors Opening Session, Annual Meeting of the National Collegiate Honors Council, New Orleans, LA, November 6–10, 2019.
- “Faculty Identity and Scholarly Reach,” JMU Libraries Digital Scholarship Series, Harrisonburg, VA, March 19, 2019.
- “Modernism and Technology in Jacques Tati’s *Playtime* (1967),” JMU Philosophy Club, Harrisonburg, VA, February 15, 2019.
- “HAL’s Legacy and Computational Thinking, pt. II,” JMU Philosophy Club, Harrisonburg, VA, October 29, 2018.
- “Sentient Selves,” Cohen Center for the Humanities, October 25, 2018.
- “HAL’s Legacy and Computational Thinking, pt. I,” JMU Philosophy Club, Harrisonburg, VA, April 4, 2018.
- “AI and Cognitive Computing: How Close Are We to Building the HAL 9000 Computer from *2001: A Space Odyssey*?” Arthur C. Clarke Foundation and K+L Gates Law Firm, Washington, DC, February 22, 2018.
- “Social Media for Scholarship and Academic Twitter,” JMU Center for Faculty Innovation, January Symposium, January 4, 2018.
- “From Science Fiction to Science Fact,” JMU Honors College, MADTalks, October 3, 2017.
- “The Bluestone Experience,” Co-Curricular Involvement Performance Measures (CCIPM) Group, James Madison University, Harrisonburg, VA, April 30, 2015.
- “The JMU Honors Program and Planning for Madison Honors College,” Constituent Relations, James Madison University, Harrisonburg, VA, March 2, 2015.
- “The JMU Honors Program and Planning for Madison Honors College,” Women for Madison, James Madison University, Harrisonburg, VA, January 29, 2015.
- “The JMU Honors Program and Planning for Madison Honors College,” Frontline Fundraisers, James Madison University, Harrisonburg, VA, August 27, 2014.
- “Calculating Care: Medicine and Computing as If People Mattered,” History Department, James Madison University, Harrisonburg, VA, April 6, 2013.

“The People of White Oak Bayou: Marche, Arkansas,” Project WET Workshop, August 7, 2012.

“Nectar of the Gods: Alcohol, Religion, and Arkansas Drinking Culture,” United Methodist Forum, Conway, AR, April 29, 2012.

“Our Robot Future,” Farris Residence Hall program, Conway, AR, November 9, 2011.

“Nectar of the Gods: Alcohol, Religion, and Arkansas Drinking Culture,” Arkansas Freethinkers Society, May 15, 2011.

“Better Living Through Technology and Why That Is So Difficult,” National Phi Theta Kappa Honor Society Annual Meeting, February 26, 2011.

“Computer Countercultures,” Countercultures Guest Lecture, Honors College, University of Central Arkansas, November 30, 2010 & April 11, 2011.

“The Wiki Way in Collaborative Learning,” Instructional Development Center Lunch & Learn, April 13, 2010.

“Why Honors?” Arkansas State Geography Bee, April 10, 2010.

“The Bit Business: A History of Information Technology”; “Using Wikis in Public History Projects,” Iowa Public Employees Association Annual Meeting, June 10, 2009.

“The Technological Agenda of the Obama Administration,” Young Democrats, University of Central Arkansas, February 12, 2009.

“Intellectual Property in Higher Education,” Technology in Higher Education Guest Lecture, Honors Living & Learning Community, University of Central Arkansas, Conway, AR, October 22, 2007.

“The Role of an Honors Education at a Research I University,” Honors Program, Iowa State University, January 16, 2007.

“Metaphysics of AI,” Philosophy Department, University of Central Arkansas, November 13, 2006.

“The Thesis as Independent Scholarship,” Rising Scholars Banquet, University of Central Arkansas, Conway, AR, August 23, 2006.

“Bewilderment,” Alma Education and Arts Foundation Honors Banquet Speech, Alma, AR, May 19, 2006.

“Bioinformatic Ethics,” Social Implications of Technology Guest Lecture, Computer Science Department, University of Central Arkansas, Conway, AR, October 17, 2005 & March 17, 2006.

“‘In Union There is Strength’: Public Health Nursing in the Great Depression,” Newberry Seminar, co-sponsored by the Newberry Library & University of Chicago, October 23, 2004.

“Communities in Cyberspace,” Honors Core II: The Search for Community, University of Central Arkansas, Conway, AR, April 19, 2004.

“Calculating Care: Evidence, Computers, and Medicine in America,” History of Medicine Lecture Series, University of Minnesota, Minneapolis, MN, November 3, 2003.

“Making the Invisible Visible: Software as Science and Security,” The Honors College Lecture Series, University of Central Arkansas, Conway, AR, October 23, 2003.

“Mobilizing the Intellect: Science, Technology, and Social Change in the Great War and After,” World History Lecture Series, University of Southern Mississippi, Hattiesburg, MS, March 20, 2003.

“Cold War R&D in Information Technology,” Colloquium Series, Utah State University, Logan, UT, February 4, 2003.

Grants and Contract Projects

JMU Travel Grant to Library of Virginia for research in the Virginia Prohibition Commission Records, \$2,500 awarded (2022)

Website for the Southern Regional Honors Council, \$2,000 awarded annually (2007–2018)

CBI–NSF Computer Security History, \$1,000 awarded under NSF Grant #1116862 (2014)

UCA Challenge Week on Government Corruption, \$4,250 awarded (2010)

Arkansas Student Undergraduate Research Fellowship to study “Gender Styles in Online Academic Communities” \$3,942 awarded for student Amanda Dougherty and mentor Philip Frana (2005)

“Unlocking the Past of IT Privacy and Security,” NEH Reference Materials Grant (\$336,000; primary author; received 5 excellent/must funds, 2004)

“Building a Future for Software History,” NSF Grant #9979981 (\$488,000; awarded 1999)

This project received special commendation for contributions to new research and scholarly communication by the National Science Foundation and the American Institutes for Research in its report to the U.S. Congress.

Research-Grade Oral Histories

Charles W. Bachman, for his contributions to network database technology (Turing Award winner), November 14, 2003, Tucson, AZ. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 371).

Stan Williams, longtime Director of Integrated Systems Research and Application Development at General Electric and Honeywell, Oral History, November 13, 2003, Phoenix, AZ. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 373).

Dick Coupe, Director of Advanced Systems and Manufacturing at Honeywell Information Systems; auditor and implementer of Very Large Scale integration systems, production management and manufacturing systems, November 13, 2003, Phoenix, AZ. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 372).

Henry N. Camp, President and CEO of Medical Systems Development Corporation, chief architect of the THERESA medical information system, October 17, 2003, Atlanta, GA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 366).

Roger Dahlen, longtime National Library of Medicine Extramural Grants and Scientific Review Administrator, and NLM Biomedical Information Support Branch Chief, Oral History, October 17, 2003, Atlanta, GA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 365).

H. Kenneth Walker, Professor of Medicine at Emory University and Chairman of the NLM Board of Regents, on the THERESA Problem-Oriented Medical Record information system at Grady Hospital, Oral History, October 17, 2003, Atlanta, GA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 364).

Vladimir Slamecka, first director of the Georgia Institute of Technology School of Information Science, and founder of the Graduate Program in Biomedical Information and Computer Science and the Laboratory of Information Science, Oral History, October 16, 2003, Atlanta, GA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 363).

Laszlo A. Belady, former chairman and CEO of Mitsubishi Electric Information Technology Center America, and director of software technology at the IBM T. J. Watson Research Center, Oral History, November 21, 2002, Austin, TX. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 352).

Stephen A. Cook, for his work on the theory of computational complexity and NP-completeness (Turing Award winner), Oral History, October 19, 2002, Toronto, Ontario. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 350).

C. Antony R. Hoare, for fundamental contributions to the definition and design of programming languages (Turing Award winner), Oral History, July 17, 2002, Cambridge, England. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 357).

Peter Watson, founder of Berkeley Computer Services, the oldest software house in continuous operation in Scotland, Oral History, July 12, 2002, Glasgow, Scotland. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 351).

Larry Lamb, founder of Lamb & Company, a pioneering interactive computer graphics firm, Oral Histories, June 28, 2002, and October 30, 2002, Minneapolis, MN. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 360 & 361).

Carl Machover, computer graphics pioneer and president of Machover Associates Corporation, Oral History, June 20, 2002, White Plains, NY. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 362).

- Gary Durbin, founder of data security firm Secure and human resource software company Tesseract; also, founder of Web application firm Seeker Software, Oral History, May 3, 2002, Washington, DC. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 368).
- Ernest E. Keet, president of Turnkey Systems and Software Products Group of Dun & Bradstreet, and cofounder of Vanguard Atlantic venture capital firm, Oral History, May 3, 2002, Washington, DC. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 341).
- Jim Gray, developer of recovery manager of System R relational database system and director of laboratory research at Microsoft Research in San Francisco (Turing Award Winner), Oral History, January 3, 2002, San Francisco, CA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 353).
- William McGee, manager in the development of several data processing systems including the IBM 702 File Maintenance and Report Generator system, TRW-133, and IMS/VS; also, numerical analyst and reactor data specialist for the General Electric Hanford Atomic Products Operation in the 1950s, Oral History, November 12, 2001, Los Altos, CA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 331).
- Donald E. Knuth, author of the three volume series *The Art of Computer Programming*, judged one of the greatest works in twentieth-century science; also, developer of T_EX and METAFONT digital typography techniques; (Turing and Pulitzer Prize winner), Oral History, November 8, 2001, Stanford, CA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 332).
- Raymond Lorie, contributor to several crucial System R functions including SQL embedding, compilation, optimizer; also, co-inventor of GML markup language and early proponent of long-term preservation of digital information and digital library standards, Oral History, October 8, 2001, San Jose, CA. Deposited at the Charles Babbage Institute for the History of Information Technology.
- Don Chamberlin, originator of Structured Query Language, contributor to System R relational database system, and XML standards, Oral History, October 8, 2001, San Jose, CA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 329).
- Gio Wiederhold, developer of academic discipline of database design, and implementer of several early VLDBs in medical informatics, Oral History, October 4, 2001, Stanford, CA. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 354).
- Mark McCahill, co-inventor of Internet Gopher and Forms Nirvana, Oral History, September 6, 2001, Minneapolis, MN. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 328).

Glenn Henry, System/38 team leader, president of Centaur Technology, and Employee No. 1 at Dell Computer, Oral History, August 7, 2001, Austin, TX. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 355).

Edsger Dijkstra, first formally educated computer programmer in Europe, inventor of Dijkstra's algorithm, and originator of idea for structured programming, Oral History, August 3, 2001, Austin, TX. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 330).

Ben Persons, IBM System/34 programming manager, Oral History, August 2, 2001, Rochester, MN. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 327).

Herb Pelnar, early SAGE programmer, Oral History, August 2, 2001, Rochester, MN. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 327).

Richard Hedger, programming manager on IBM System/38, Oral History, May 17, 2001, Minneapolis, MN. Deposited at the Charles Babbage Institute for the History of Information Technology.

Douglas T. Ross, inventor of computer-aided design and founder of field of software engineering, Oral History, October 12, 2000, Minneapolis, MN. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 358).

Peter C. Patton, Chief Technologist at Lawson Software, Oral History, August 30, 2000, Minneapolis, MN. Deposited at the Charles Babbage Institute for the History of Information Technology (OH 325).

Review Essays

Believing in Bits: Digital Media and the Supernatural, edited by Simone Natale and D. W. Pasulka, in *Preternature* 10, no. 2 (2021): 301–305.

Quacks & Crusaders: The Fabulous Careers of John Brinkley, Norman Baker, and Harry Hoxsey by Eric S. Juhnke, and *The Bizarre Careers of John R. Brinkley* by R. Alton Lee, in *Annals of Iowa* 62, no. 1 (Winter 2003): 120–123.

Books Reviewed

Banking on the Body: The Market in Blood, Milk, and Sperm in Modern America by Kara W. Swanson in *Annals of Iowa* 74, no. 3 (Summer 2015): 345–346.

Goldberger's War: The Life and Work of a Public Health Crusader by Alan M. Kraut, in *Agricultural History* 79, no. 2 (Spring 2005): 228–30.

Profiles in the History of the U.S. Soil Survey edited by Douglas Helms, Anne B. W. Effland, and Patricia Durana, in *Agricultural History* 77, no. 4 (Fall 2003): 626–627.

Notes of a Potato Watcher by James Lang, in *Agricultural History* 77, no. 4 (Fall 2003): 615–616.

Genetic Prehistory in Selective Breeding: A Prelude to Mendel by Roger J. Wood and Vítěslav Orel, in *Agricultural History* 77, no. 4 (Fall 2003): 619–620.

Agriculture and Modern Technology: A Defense by Thomas R. Degregori, in *Agricultural History* 76, no. 4 (Fall 2002): 719–720.

Enriching the Earth: Fritz Haber, Carl Bosch, and the Transformation of World Food Production by Vaclav Smil, in *Agricultural History* 75, no. 4 (Fall 2001): 535–536.

Quinine and Quarantine: Missouri Medicine through the Years by Loren Humphrey, in *Annals of Iowa* 60, no. 2 (Spring 2001): 208–209.

The Formative Years of Plant Pathology in the United States edited by C. Lee Campbell, Paul D. Peterson, and Clay S. Griffith, in *Agricultural History* 75, no. 2 (Spring 2001): 251–252.

Complete in All Its Parts: Nursing Education at the University of Iowa, 1898–1998 by Lee Anderson and Kathy Penningroth, in *Annals of Iowa* 58, no. 3 (Summer 1999): 331–333.

Institutional Reports

JMU Honors College Annual Reports (Harrisonburg, VA: James Madison University, 2014–2020).

Meeting Students Where They Are: Retaining JMU Students at Risk of “Stopping Out” (Harrisonburg, VA: James Madison University, 2020).

JMU Honors College Academic Program Review: Self-Study Report (Harrisonburg, VA: James Madison University, 2019).

JMU Honors College Strategic Planning Task Force Report (Harrisonburg, VA: James Madison University, 2015).

UCA Honors: A Self Study (Conway, AR: University of Central Arkansas, 2006).

UCA Honors: Strategic Thinking Initiative (Conway, AR: University of Central Arkansas, 2005).

NSF Final Report: Building a Future for Software History (Minneapolis, MN: Charles Babbage Institute, University of Minnesota, 2004).

NSF Interim Report: Building a Future for Software History, Knowledge and Distributed Intelligence Directorate, submitted to Bruce E. Seely, Director, Science, Technology, and Society Directorate, November 5, 2001.

NSF Progress Report: Building a Future for Software History, Knowledge and Distributed Intelligence Directorate, submitted to Bruce E. Seely, Director, Science, Technology, and Society Directorate, November 2, 2000.

SERVICE AND MENTORSHIP

University and Professional Service

Past or present manuscript reviewer for *Agricultural History*, *Annals of Iowa*, *IEEE Annals of the History of Computing*, *Isis*, *Iterations*, *Journal of the National Collegiate Honors Council*, *Policy Studies Journal*, and the National Science Foundation–Science and Technology Studies (NSF–STS) Program.

Honors College Search Committees: Director of Honors Advising (member); Director of Student Engagement (chair); Dean of Honors College (member); Associate Dean for Diversity, Inclusion, and External Engagement (member); Director of Fellowships & Scholarships (member)

Member, JMU Task Force on Artificial Intelligence (2023–present)
Member, Independent Scholars Self Study and Academic Program Review (2023–present)
Faculty Advisor, Independent Scholars and General Studies programs (2020–present)
Advisor, Independent Scholars student group (2023–present)
Member, JMU Research & Scholarship (R&S) First Year Research Experience (2023–present)
Participant, jmUDESIGN Workshop (2022)
Presenter, First Year & Transfer Summer Springboard for Independent Scholars (2021–present)
Coordinator, IdLS Curriculum & Instruction Committee (2021–present)
Advisor, RegisterJMU student group (2021–present)
Member, JMU New Transfer Advisor Training (2021)
Faculty Expert, JMU Honors Workshop Mock Interviews (2021)
Speaker, JMU Honors Workshop on Independent Scholars Major (2021)
Presenter, JMU Transfer Orientation Fair (2020–present)
Co-chair, Atlantic Regional Honors Council Monthly Planning Meetings (2020–2021)
Chair, Virginias Collegiate Honors Council, Executive Committee (2020–2021)
Chair, Virginias Collegiate Honors Council, Conference Planning Committee (2020–2021)
Member, JMU Research & Scholarships Fellowships Nominating Committee (2020)
Chair, JMU Ad Hoc Advisory Committee on General Studies (2020)
Participant, James Madison Center for Civic Engagement Strategic Planning Retreat (2019)
Judge, MADRush Conference (2019)
Member, IDLS Promotion & Tenure Committee (2018–present)
Member, Provost’s Research & Scholarship Task Force (2018–2020)
Coordinator, JMU Honors Orientation and Montpelier Retreat (2018–2020)
Member, Commencement Coordination Committee (2018–2020)
Member, JMU Communications and Marketing Self Study (2018)
Co-chair, Provost’s Honors College Curriculum Task Force (2018)
Member, Museum of Science Fiction Advisory Board & VR Education Committee (2017–present)
Leader, Honors Liaison Luncheon Meetings (2017–2020)
Chair, Honors College Medallion Ceremony Planning Committee (2017–2020)
Judge, JMU Graduate School Scholarly Expo (2017)
Chair, Honors Interdisciplinary Studies Minor Committee (2017)
Chair, Honors Curriculum Management Committee (2016–2020)
Member, Madison Giving Committee (2016–2020)
Liaison, JMU Honors Transfer Admissions Committee (2015–2020)
Judge, Virginias Collegiate Honors Council (2015–2020)
Participant, Spring Break service project with Albemarle Housing Improvement Program (2015)
Speaker, JMU Honors Fall Orientation (2014–2020)
Presenter, CHOICES, Honors Open Houses, New York Receptions, Student Success Showcase (2014–2020)
Judge, Hillcrest Scholars Day (2014–2015)

Member, Advancement Resources Professional Fundraising Workshop for Deans, Department Chairs, and Aspiring Academic Leaders (2014)

Presenter, Center for Global Engagement Study Abroad Fair (2013–2021)

Presenter, JMU Admissions Open Houses; New York Receptions (2013–2020)

Student Success Showcase (2013–2020)

Chair, JMU Honors Admissions Committee (2013–2020)

Chair, JMU Faculty Fellows (2013–2020)

Speaker, JMU Family Weekend (2013–2020)

Member, JMU Honors Advisory Council (2013–2020)

Member, Honors Administration Meetings (2013–2020)

Leader, JMU Honors Track I and Track II Admissions Committee (2013–2020)

Advisor, JMU Student Honors Advisory Council Executive, General Business, and Development Committee (2013–2020)

Liaison, JMU Honors Program Assessment Program (2013–2020)

Chair, Provost's Award for Honors Teaching and Service Committee (2013–2020)

Presenter, Center for Global Engagement Study Abroad Fair (2013–2020)

Coordinator, UCA Honors College Emergency Services (2012–2013)

Project Oral Historian, White Oak Bayou Wetland Management Plan (2010–2013)

Faculty Leader, Our House Shelter Service Project (Named a Top 10 Volunteer for 2010–2011)

Chair, UCA Honors College Co-Curricular Committee (2010–2011)

Member, UCA Honors College ISIS Committee (2010)

Chair, UCA Honors College Research Committee (2010)

Actor, "The Honors Office" (2009) by Allison Hogue and Justin Bird

Actor, "Spark" (2008) by Eric Dietz

Speaker, "The Future of Honors Education," UCA/IDC Lunch and Learn (2008)

Advisor, UCA Young Democrats (2006–2010)

Marshal, Faculty Commencement (2006–2007)

Chair, UCA Interdisciplinary Liberal Studies Minor Committee (2006–2007)

Faculty Representative, Student Orientation Staff Orientation (2006)

Leader, Honors College Food & Clothing Drives – collected more than \$3,400 in canned goods, clothing, and school supplies for Bethlehem House, CAPCA, Hermanos in Hope, and the Little Rock Compassion Center (2005–2013)

Speaker, UCA Honors Scholarship interviewing/Inform & Interview sessions (2005–2013)

Sponsor, Honors Convocation Ushers and Servers (2005–2009)

Speaker, UCA New Faculty Orientation (2005–2006)

Speaker, The Artificial Other in Film, UCA Honors College MTV series (2005)

Advisor, UCA Honors College Online (2004–2013)

Literacy Program Specialist, Ellen Smith Elementary School (2004–2010)

Collaborator, Stanford University LOCKSS Humanities Alliance (2004)

Member, Erwin and Adelle Tomash Prize Committee (2004)

Member, World Wide Web@10 Program Committee, Rose-Hulman Institute (2004)

Consultant, Shook, Hardy & Bacon LLP (1999–2000)

Judge, National History Day (1995–1999)

Research Assistant, Iowa State University, Parks Library (1992–1994)

Interpreter, Living History Farms (1990)

Conferences and Workshops

National

(Co-organizer) National Individualized Major Program Conference, March 14–16, 2024.

- (Co-organizer) National Individualized Major Program Conference, March 15–17, 2023.
- (Co-organizer) National Individualized Major Program Conference, March 23–25, 2022.
- (Organizer) Six Ways to Teach Creativity in Honors. DIH opening sponsored by Phi Kappa Phi. Annual Meeting of the National Collegiate Honors Council, 2019.
- (Organizer) Honors to Honors: Partnerships between Community Colleges and Four-Year Programs. Annual Meeting of the National Collegiate Honors Council, Chicago, IL, November 12, 2015.
- (Facilitator) Students in Honors Workshop on Thesis/Capstone Preparation and Planning. Annual Meeting of the National Collegiate Honors Council, Chicago, IL, November 12, 2015.
- (Facilitator) Students in Honors Workshop on Thesis/Capstone Preparation and Planning. Annual Meeting of the National Collegiate Honors Council, Denver, CO, November 6, 2014.
- (Facilitator) Keeping the Honors Curriculum Grounded While Serving It Up from the Cloud. Sponsored by the Commonwealth Honors Council, Annual Meeting of the National Collegiate Honors Council, Boston, MA, November 15, 2012.
- (Organizer) Four-Year College Curriculum Development. Annual Meeting of the National Collegiate Honors Council, Phoenix, AZ, October 23, 2011.
- (Organizer) Approaching Technology from an Honors Perspective. Annual Meeting of the National Collegiate Honors Council, Kansas City, MO, October 24, 2010.
- (Organizer) Technology in Honors Education. Annual Meeting of the National Collegiate Honors Council, Washington, DC, November 1, 2009.
- (Organizer) Technology in Honors Education. Summer National Workshop at the University of Central Arkansas, co-sponsored with the National Collegiate Honors Council, July 11–14, 2007.
- (Facilitator) National Endowment for the Humanities Summer Workshop. Iowa State University, 1994.

Regional, Specialty, and Local

- (Organizer) Virginias Collegiate Honors Council. Spring Meeting, Harrisonburg, VA, April 5–6, 2019.
- (Organizer) Virginias Collegiate Honors Council. Fall Meeting, Harrisonburg, VA, Sept. 18–19, 2015.
- (Organizer) JMU 499 A–B–C Workshops. 2014–2015.
- (Facilitator) Technology and History. Northern Great Plains History Conference, Fargo, ND, 2003.

Products of the CBI–NSF Software History Project. Society for the History of Technology Annual Meeting, Computers, Information, and Society SIG, Atlanta, GA, 2003.

(Organizer) The CBI–NSF Software History Project and Its Contribution to Software History. Strategic Planning Meeting on Software and Services History, Palo Alto, CA, 2003.

An Introduction to *Iterations*. Society for the History of Technology Annual Meeting, Computers, Information, and Society SIG, Toronto, Canada, 2002.

Building a Future for Software History. National Science Foundation–Knowledge and Distributed Intelligence Directorate Workshop, New Orleans, LA, 2002.

(Co–Chair) ADAPSO Reunion. Contracts Reference Directory. Washington, DC, 2002.

Web-Based Initiatives of the CBI Software History Project. Society for the History of Technology Annual Meeting, Computers, Information, and Society SIG, San Jose, CA, 2001.

(Organizer) How to Write a Senior Thesis in History. Phi Alpha Theta Colloquium, Ames, IA, 1999.

Resources and Tools

The Independent Scholar e-zine at <https://express.adobe.com/page/oROOYIsqKfTLD/>.

The purpose of *The Independent Scholar* is to encourage the intellectual and creative efforts of college students who have varied and extraordinary interests. The e-zine is especially directed to those who seek broad-based and connected understandings of the world, and wish to develop complementary skill sets to meet new challenges. The *Independent Scholar* is organized around general concepts, the building blocks of thinking, which gives authors the freedom to engage in thought experiments and follow intuitions. This organization also gives authors an opportunity to contribute specific examples of their work to a more encompassing "ontological database," a resource showing the relations between concepts and categories in a domain or subject area. The *Independent Scholar* intends to encompass the complexities of the real world and offer both positive and normative guidance to readers.

Little Rock Renaissance Wiki and Exhibit at <http://honors.uca.edu/wiki/>.

The Little Rock Renaissance Wiki hosted by the UCA Honors College, reached a milestone 1 million page views in February 2012, 4 million views by August 2015, and 10 million views by August 2022. The wiki documents economic, social, and historic revitalization efforts in Central Arkansas in more than 3,300 entries written in association with oral history projects. The wiki is featured in a studioMAIN exhibition in Little Rock. StudioMAIN (www.studio-main.org) is a design collaborative comprised of individuals with art, design and planning expertise, which works towards education the general public about the role of good design in daily life. The theme of the exhibit is the history of urban planning in Little Rock.

Creativity Insights Podcast at <https://creativityinsights.podbean.com/>.

Forty-six student podcast episodes on basic concepts of creativity across the disciplines and within various cultures. Subjects includes the study and analysis of creative expression; the application of theories and conceptual frameworks to notions of fruitful serendipity, intellectual insight, and imagination; and the various modes of creative cognition in individuals, groups, and experimental “thinking” machines. The podcast draws attention to problems of creation in literary and artistic endeavors, the role of personality, creativity in scientific discovery, the physiology and neurology of creative ability, innovative teaching techniques, and the philosophy and psychology of creativity and human fulfillment.

Strange Communities Podcast at <http://pfrana.podbean.com/>.

This is a class weblog on Strange Communities. We tend to think of community as the fuzzy, friendly altruism of neighbors – or perhaps as the dead weight of traditions and folkways. But all around us people engage in weird roleplay that determines our social universals. Much of it passes as normal conduct. Gangs may be outside the law, but they’re far from anarchic; to their members, they function as support group, school, and justice system all in one. When a group of men (or women) withdraw from society to live out their lives in solitary, maybe even silent, devotion to God, there are powerful motivations and consequences for that choice. And online, millions participate in forms of community, with similarities to and differences from meatspace communities that we are only beginning to appreciate. Come join us for a wide-ranging, intensely collaborative, highly experimental exploration of these and other strange communities.

Librivox at <https://librivox.org/>.

Twenty professional-grade audio-recordings made by students in my Artificial Other class to Librivox, the public domain counterpart to Project Gutenberg sponsored by the Library of Congress.

Honors College Survey & Assessment Instruments

Including an Incoming Freshman Survey, First Year Survey, Rising Junior Survey, End-of-Junior Year, Exit Survey, Alumni Survey, implemented in several honors programs and colleges across the nation.

Let’s Zettel It: Repository of the Writings of Norbert O. Schedler at <http://schedler.pbworks.com/>.

Norbert Schedler is the founder of the Honors College at the University of Central Arkansas. This repository contains digitized zettels, speeches, papers, images, and a biography.

Honors First Year Experience Resource Wiki at <http://jmuhon100.pbworks.com/>.

Workspace and resource guide for teaching assistants in the Honors First Year Experience course. There are separate pages on each of the following Honors 100 topics: Faculty and Mentors; Passions, Dreams, Values; Know Thyself; Community; The Purpose of College; Academic Success; Life-long Learning; Creativity and Innovation; Setting Goals; Dealing with Stress and Failure; Honors Learning Portfolio; and Classroom Management.

The Artificial Other Website at <http://honors.uca.edu/AI/>.

Featuring articles by Holly Smith, “It’s Alive! A Reflection of Conscious AI in Cinema”; Michael Schelkopf, “The Development of Transhumanism”; Patrick Taylor, “The Future of Space Exploration”; Adam Cox, “Cyberathletics: An Evolving Sport”; Samantha White, “What Dreams May Come: The Evolution of the Smart Car”; Miranda Mendenhall, “Online Identity: Wherever You Go, There You Are”; Tori Green, “Real Economics in a Virtual World”; Danny Foerster, “Artificial Organs: Good or Bad?”; Mitchell Doss, “A Near Perfect World at Hand: The Potential of Cloning and Genetic Engineering”; F. John Rickert, “The New Television”; Jessica Leach, “Genetic Discrimination: An Internal Prejudice”; Drew Moffitt, “America: The Fully Automated Society Circa 2050”; Joe Fang, “I Robot, I Believe”; Katie Roberts, “Human Rights in the Machine Age”; Nathan McCune, “Digital Dasein: Disembodiment and Immortality”; and Trent Williams, “The Future of Quantum Computing.”

CBI Software History Dictionary at <http://www.cbi.umn.edu/>.

More than 200 entries on subjects related to the history of computer software and programming.

CBI Information Technology Privacy and Security Bibliography at <http://www.cbi.umn.edu/>.

Includes 4,250 references to monographs, journal articles, reports, oral histories, and archival collections.

CBI Software History Bibliography at <http://www.cbi.umn.edu/>.

Includes 2,500 references to monographs, journal articles, reports, popular literature, oral histories, and archival collections.

Internet Gopher: Primary Sources

1,300 pages of born-digital archival material collected and deposited in the University of Minnesota Archives and the Charles Babbage Institute for the History of Information Technology, Minneapolis, MN.

The Smart Student’s Guide to Writing History Papers

Privately printed for Phi Alpha Theta, Iowa State University, Ames, IA.

Museum of Science Fiction (MOSF)

Director of Programming

I am responsible for developing the vision for the MOSF’s annual STEAM conference called “Escape Velocity” (<https://escapevelocity.events/>), the plan for temporary Museum Gallery exhibits, and coordinating the efforts of nine Track Leads in Literature, Costuming, Education, Exhibitions, Film Festival, Museum Gallery, Gaming and Simulation, Science, and Pop Culture. More than 166 separate sessions were scheduled in 2019. I directed this activity through weekly evening conference calls with the Track Leads, and at planning meetings in Washington, DC. The national conference is on hiatus due to COVID-19. 2019 Theme: “Technologies of Science and Science Fiction.”

The purpose and effects of the Museum of Science is described in G. Viggiano, H. Davis, C. Ng, and M. Sweeney, “The Effects of a Museum of Science Fiction Event on Participant Knowledge and Interest in Science,” *United States Journal of Computers in Mathematics and Science Teaching* 39, no. 4 (2020): 361–382.

My Invited MOSF Escape Velocity Talks:

“Why Are They Spiritual Machines? AI and Religion,” May 27, 2018.

“How Not to Build a Renegade Computer,” May 27, 2018.

“Science Fiction as Science?” September 3, 2017.

“The (Virtually) Real Economy,” September 1, 2017.

“Science Fiction and the Technology of Matter Duplicators,” September 1, 2017.

“Rosie vs. Roomba,” July 3, 2016.

“Me and My Matrix,” July 1, 2016.

“Romancing the Uncanny Valley: Why We Love Robots,” July 1, 2016.

The 2019 Theme was “Technologies of Science and Science Fiction.” A selection of my programming for that year:

“Alternative Visions for the Future of Work” by Anton Korinek (University of Virginia), John Monahan (Mad4Science), David Peterson (James Madison University), 2019.

“Assistive (Disability) Tech of the Future” by Ashley Shew (Virginia Tech), Kristen Koopman (Virginia Tech), Danielle Price (James Madison University), David L. Anderson (Illinois State University) and Karina Perez (Aerospace Industries Association, Technical Operations & Standards Division), 2019.

“The Ethics of Artificial Intelligence” by John McKnight (Harrisburg University), Vicente Ordóñez Román (University of Virginia), and Brian Stanton (Cleary Gottlieb Steen & Hamilton LLP), 2019.

“The Evolving Internet” by Jeremy Pesner (Georgetown University), David Larochelle (Author and Illustrator), 2019.

“Frontiers of Bioengineering and Biohacking” by Michael Klein (James Madison University), Virginia Soenksen (James Madison University), and Shaun Moshasha (OpenBioLabs), 2019.

“The Future of Food” by Jenny Splitter (freelance journalist), Peg Willingham (CGIAR), and Tara Scully (George Washington University), 2019.

“Geoengineering and Climate Change” by Chris Trisos (SESYNC), Kevin Seidel (Eastern Mennonite University), and David L. Anderson (Illinois State University), 2019.

“The Present and Future of 3D Printing” by Brent Newhall (Cyborg Hiker), 2019.

“Technology and the Human Condition” by Robert Zelenka (St. John’s College), Peggy Zelenka (National Institutes of Health), Edward Celerier (NASA), Lee Cannon (North Carolina Space Grant), and PJ Manney (author), 2019.

“Traffic Management for Satellites” by Phillip Cunio (ExoAnalytic Solutions), 2019.

“What Can We Do When Machines Learn?” by James Foulds (University of Maryland-Baltimore County), Jennifer Keating (Carnegie Mellon University), Brian Stanton (Cleary Gottlieb Steen & Hamilton LLP), 2019.

“What Robots of the Future Can Do/The Driverless Revolution” by John Monahan (Mad4Science), Shannon Conley-Phillips (James Madison University), Emily York (James Madison University), 2019.

Essays and News

“Some Human Authors Worry AI Will Take Their Jobs—Here’s Why,” *Lifewire: Tech for Humans*, December 29, 2022, available online at <https://www.lifewire.com/some-human-authors-worry-ai-will-take-their-jobs-heres-why-6951001>.

“JMU Senior Conducts Research on Health Disparities,” *Breeze*, March 23, 2022, available online at <https://www.breezejmu.org/culture/jmu-senior-conducts-research-on-health-disparities/article70e4a40a-aaea-11ec-bf28-0b84db2cb5a2.html>.

“Battling Smallpox,” a teaching module sponsored by Iowa’s statewide public broadcasting network, available online at <https://www.iowapbs.org/iowapathways/mypath/2710/battling-smallpox>.

“The Magnitude of Loss,” *Iowa Public Radio*, June 3, 2021, available online at <https://www.iowapublicradio.org/show/talk-of-iowa/2021-06-03/a-magnitude-of-loss>.

“Anxiety in Academia,” *The Breeze*, February 6, 2019, available online at <https://www.breezejmu.org/opinion/opinion-anxiety-is-ruining-higher-education/article553aee4e-2a28-11e9-b4cd-5b0278b6f60d.html>.

“Dr. Phil Frana Explores the Past, Present, and Future of Matter Duplicators,” *Outer Places*, September 3, 2017, available online at <https://www.outerplaces.com/science-fiction/item/16698-phil-frana-matter-duplicators>.

“Digital Immortality, the Future of Memory, and Sci-Fi Utopias: An Interview with Phil Frana,” *Outer Places*, August 7, 2017, available online at <https://www.outerplaces.com/science/item/16571-interview-philip-frana-sci-fi-utopia>.

“Developing Classes that Tie Together Professional Needs and Real-World Problems,” *JMU News*, April 27, 2017, available online at <https://www.jmu.edu/news/academic-affairs/2017/4-27-honors-michelle-hesse.shtml>.

“Honors Scholars Leading on Campus,” *JMU News*, April 25, 2017, available online at <https://www.jmu.edu/news/honors/2017/04-25-honors-scholars-leading-on-campus.shtml>.

“Debbie Sturm: New Faculty Member in Residence,” *JMU News*, October 2013, available online at <http://www.jmu.edu/news/honorsprog/2013/10/09-debbiesturm.shtml>.

- “New Honors Program Staff: Jared Diener and Philip Frana,” *JMU News*, September 2013, available online at <http://www.jamesmadisonuniversity.org/news/honorsprog/2013/09/19-newstaff.shtml>.
- “UCA Freshman Honors Scholars Attend Fall Retreat at Winthrop Rockefeller Institute,” *Bear Ledger*, September 21, 2012, available online at <https://uca.edu/bearledger/2012/09/21/honors-college-news-14/>.
- “Honors College Graduates and Destinations,” *Bear Ledger*, September 21, 2012, available online at <https://uca.edu/bearledger/2012/09/21/honors-college-news-14/>.
- “Graduation Banquet Speech: Skipper Thurman,” *Bear Ledger*, September 21, 2012, available online at <https://uca.edu/bearledger/2012/09/21/honors-college-news-14/>.
- “Graduation Banquet Speech: Jenny Knight,” *Bear Ledger*, September 21, 2012, available online at <https://uca.edu/bearledger/2012/09/21/honors-college-news-14/>.
- “Graduation Banquet Speech: Patrick Russell,” *Bear Ledger*, September 21, 2012, available online at <https://uca.edu/bearledger/2012/09/21/honors-college-news-14/>.
- “Honors Thesis Presentation Day,” *Bear Ledger*, May 14, 2012, available online at <https://uca.edu/bearledger/2012/05/14/honors-college-news-13/>.
- “Spring Core II Service Projects,” *Bear Ledger*, May 14, 2012, available online at <https://uca.edu/bearledger/2012/05/14/honors-college-news-13/>.
- “Southern Regional Honors Council Annual Conference,” *Bear Ledger*, May 14, 2012, available online at <https://uca.edu/bearledger/2012/05/14/honors-college-news-13/>.
- “Spring Commencement and Community Service Projects,” *Bear Ledger*, May 14, 2012, available online at <https://uca.edu/bearledger/2012/05/14/honors-college-news-13/>.
- “UCA’s 2012 Fulbright Results,” *Bear Ledger*, May 14, 2012, available online at <https://uca.edu/bearledger/2012/05/14/honors-college-news-13/>.
- “Monica Luebker to Discuss Ponzi Schemes at Honors College Alumni Present Lecture on April 4,” *Bear Ledger*, March 20, 2012, available online at <https://uca.edu/bearledger/2012/03/20/honors-college-news-12/>.
- “Honors College Hosts Livestock,” *Bear Ledger*, March 20, 2012, available online at <https://uca.edu/bearledger/2012/03/20/honors-college-news-12/>.
- “Adam Frank’s Leadership in SW Conference on Asian Studies,” *Bear Ledger*, March 20, 2012, available online at <https://uca.edu/bearledger/2012/03/20/honors-college-news-12/>.
- “Rick Scott to Present Keynote Address to an International Honors Conference in The Netherlands,” *Bear Ledger*, March 20, 2012, available online at <https://uca.edu/bearledger/2012/03/20/honors-college-news-12/>.
- “Donna Bowman Invited to Speak on Craftivism at Harding University,” *Bear Ledger*, March 20, 2012, available online at <https://uca.edu/bearledger/2012/03/20/honors-college-news-12/>.

- “Little Rock Renaissance Wiki and Exhibit,” *Bear Ledger*, March 20, 2012, available online at <https://uca.edu/bearledger/2012/03/20/honors-college-news-12/>.
- “Special Announcements: Travel Abroad Grants and Undergraduate Research Grants in Education,” *Bear Ledger*, March 20, 2012, available online at <https://uca.edu/bearledger/2012/03/20/honors-college-news-12/>.
- “Faculty Accomplishment: Allison Wallace,” *Bear Ledger*, February 29, 2012, available online at <https://uca.edu/bearledger/2012/02/29/honors-college-news-11/>.
- “Craftin’ for CASA,” *Bear Ledger*, February 29, 2012, available online at <https://uca.edu/bearledger/2012/02/29/honors-college-news-11/>.
- “Faculty Accomplishment: Philip Frana,” *Bear Ledger*, January 26, 2012, available online at <https://uca.edu/bearledger/2012/01/26/honors-college-news-10/>.
- “Honors College Event: Freshman Lock-in/Book,” *Bear Ledger*, January 26, 2012, available online at <https://uca.edu/bearledger/2012/01/26/honors-college-news-10/>.
- “Spring Soapbox Schedule,” *Bear Ledger*, January 26, 2012, available online at <https://uca.edu/bearledger/2012/01/26/honors-college-news-10/>.
- “December Graduates,” *Bear Ledger*, January 26, 2012, available online at <https://uca.edu/bearledger/2012/01/26/honors-college-news-10/>.
- “Faculty Spotlight,” *Bear Ledger*, December 20, 2011, available online at <https://uca.edu/bearledger/2011/12/20/honors-college-news-9/>.
- “2011 Conference of the National Collegiate Honors Council,” *Bear Ledger*, December 20, 2011, available online at <https://uca.edu/bearledger/2011/12/20/honors-college-news-9/>.
- “December 2011 Senior Honors Thesis Presentations,” *Bear Ledger*, December 20, 2011, available online at <https://uca.edu/bearledger/2011/12/20/honors-college-news-9/>.
- “Reflections on Challenge Week 2011,” *Bear Ledger*, November 23, 2011, available online at <https://uca.edu/bearledger/2011/11/23/honors-college-news-8/>.
- “Student Soapboxes,” *Bear Ledger*, November 23, 2011, available online at <https://uca.edu/bearledger/2011/11/23/honors-college-news-8/>.
- “National Workshop on Honors Curriculum Development,” *Bear Ledger*, November 23, 2011, available online at <https://uca.edu/bearledger/2011/11/23/honors-college-news-8/>.
- “Faculty Spotlight: Donna Bowman,” *Bear Ledger*, November 23, 2011, available online at <https://uca.edu/bearledger/2011/11/23/honors-college-news-8/>.
- “Technology Workshop Recap,” *National Collegiate Honors Council Letter* (August 2007): 3.
- “Not a Koan on Ethanol,” *TapRoot*, available online at <http://ucahonors.org/forum/showthread.php?t=21515>.

“Big Box Goes Low Tech,” *TapRoot*, available online at <http://ucahonors.org/forum/showthread.php?t=21463>.

“The Artificial Other: An Introduction,” http://ucahonors.org/forum/view.php?pg=artificialother_overview.

“Social Forums Update,” *Vino: The Newsmagazine of the UCA Honors College* 23 (Winter 2004): 16-17.

Interviewer for *The Origins of the Multi-Billion Dollar Computer Software and Services Industry*, ed. Luanne Johnson. Carmel, IN: iBusiness Press, 2003.

“Technotopias Meeting in Glasgow, Scotland,” *CBI Newsletter* 25 (Winter-Spring 2003): 10–11.

“Software History Dictionary Project Unveiled,” *CBI Newsletter* 25 (Winter-Spring 2003): 5–8.

“SHOT 2002 Meets in Toronto,” *CBI Newsletter* 25 (Fall 2002): 5–7.

“Edsger Wybe Dijkstra, 1930-2002,” *CBI Newsletter* 24 (Summer 2002): 14–15.

“NSF/KDI Workshop in New Orleans,” *CBI Newsletter* 24 (Spring 2002): 9–10.

“Software History Project Year Two Report,” *CBI Newsletter* 24 (Fall 2001): 5–6.

“Burrow Before Web: Recent History of the Internet,” *CBI Newsletter* 23 (Summer 2001): 3–7.

“New Software History Bibliography on CBI Web Site,” *CBI Newsletter* 23 (Spring 2001): 3–7.

“Software History Project Report,” *CBI Newsletter* 23 (Winter 2001): 3–7.

Sponsored Honors College Challenge Weeks, Lectures, and Soapboxes

Challenge Week 2010: An Overview of Declining Political Integrity

Ashley Cooper “Corruption in Arkansas: A Short Political History,” November 9, 2010.

Jay Barth “Democratic Development and Corruption,” November 10, 2010.

Hristijan Gjorgievski, November 11, 2010.

Honduras Hope Summit, November 12, 2010.

High Tables

Luis Suazo, “Two Chalk Talks on Relativity Theory and Time Travel,” April 13 & April 15, 2009.

Rich Byers, “Biofuels for a New Economy,” April 1, 2009.

Chris Hackler, “The Right to Live and the Right to Die: Science or Politics at the End of Life?” March 11, 2009.

Martha Jane Murray, "Leaving No One Behind: Obama's Housing and Urban Development Priorities," March 4, 2009.

Blake Rutherford, "Obama's Edge in High-Tech Politics," February 18, 2009.

Lt. Gov. Bill Halter, "Promoting Information Technology and Biotechnology in Arkansas," April 10, 2007.

Phil Bartos, "The Obama Stimulus Package and Its Effect on the Delta Area in Arkansas," March 12, 2009.

Phil Frana, "The Technological Agenda of the Obama Administration," February 12, 2009.

Joe White and Gilbert Baker Debate, October 8, 2008.

Address by Senator Vic Snyder, 2006, 2007, 2008.

Virtual Guest Experts

Karol Chandler-Ezell, cultural anthropologist, Fall 2008.

Betsy Singleton, pastor of Quapaw Quarter United Methodist Church, Fall 2008.

Miranda Mendenhall, social networking expert, Fall 2007.

Noel Murray, music & film critic, Fall 2007.

Bill Halter, Lt. Governor, Spring 2007.

April Ambrose, Arkansas Environmental Education Association, Fall 2006.

Gina Wilkins, romance novelist, Fall 2006.

Student & Faculty Soapboxes

Melissa Beltran, "The Continuing Story of Immigration: Yesterday and Today" & Julie Davis, "Biopesticides and Green Chemistry in Arkansas," April 19, 2013.

Taylor Sutton, "My Personal Grad School Hunt: What Worked and What Didn't," April 12, 2013.

Mollie Henager, "Mission Work: It's UnBELIZEable" & Jennifer Speaks, "Camp Aldersgate: My Home Away From Home," March 29, 2013.

Amanda Coppock, "Videogames: Mass Menace or World of Wonder?" & Jessica Summers, "Animated Film and American Life," March 8, 2013.

Chelsea Harvey, "Presumptuous Man or Merciless God? Alexander Pope on the Chain of Being" & Amber Rolland, "What is 'Community' in an Honors Community?" March 1, 2013.

Sarah Steele, "Wild Cards of Crittenden County: The Story of Jack and Peter Coughlin" & Tanya Savenka, "Spray Paint, Cork, and Rock Salt," February 22, 2013.

Justin Hughes, "On Crimes and Punishments: The Death Penalty and the Eighth Amendment," February 15, 2013.

Rachel Kathman, "How to Get the Girl: Psychological Theories of Attraction" & Heather Forsythe, "Happy Body, Happy Mind," February 8, 2013.

Alissa Sexton and Karen Cockrum, "How to Get the Stick out of Your A—," February 1, 2013.

Patrick Xiong, "First Person Shooters and the Rise of Militarism in the U.S." & Cameron White, "The Link: Nerdcore Hip-hop through the Artists That Helped Cement The Genre," January 25, 2013.

Colby Qualls, "Why Good People are Divided by Politics and Religion" & Chad Terrell, "A Soapbox Leads to the Lectern," January 18, 2013.

Holly Dickson, "Get Naked! Clothing as a Social Institution" & Madison Sewell, "Hurricane Sandy and NYC's 10,000 Person 'Run Anyway Marathon,'" January 11, 2013.

Amber Rolland, "The Robbed Innocence of the West Memphis Three" & Matt Hankins, "Summer Internships: Advice on Finding Opportunities and Tips on Applications," November 30, 2012.

Ashley Hicks, "Interactive Education: Hands-On Science in the Classroom and Beyond" & Kelsey Riddle, "Scandals, Criminals, and Baptist Preachers: Discovering Why You Are Here Through Genealogy," November 9, 2012.

Michael Murphy, "Digital Economy, Real Payout" November 2, 2012.

Taylor Sutton, "Corporations Are People, My Friend: What Is and Isn't True About Corporate Personhood in the U.S." & Colby Qualls, "The Rise of the Religious Right within Republican Ranks," October 19, 2012.

Sarah Steele, "Ay Yildiz (Moon Star): Thinking About Turkey" & Kelsey Blasingame, "Rwanda: Land of a Thousand Hills," October 12, 2012.

Blake Brizzolara and Shasta Williams, "Dear Future President," October 5, 2012.

Matthew Hankins, "Science Aboard the Stratispheric Observatory for Infrared Astronomy" & Nick Frederickson, "StarCraft and eSports," September 28, 2012.

Adam Frank, "Burma: Choices and Challenges," September 21, 2012.

Jennifer Speaks, "I Have a Twin, and She Has Down Syndrome," September 7, 2012.

Colby Qualls, "The Rise, and Possible Decline, of Southern Baptists" & Andrew Holt, "Genital Mutilation: How a Society Justifies an Atrocity," August 24, 2012.

Taylor Sutton, "H.P. Lovecraft and Philosophy," April 20, 2012.

Nick Rogers, “Belgium, Beer, and Bikes” & Josh Bregy, “Storm Chasing!” April 13, 2012.

Kendall Fancher, “Canada and the United States: Do They Share a Common Culture?” & Jo Beth Sence, “The Big (Pine)Apple: Costa Rica,” March 9, 2012.

Matt Hankins, “Game Theory for Everyday Life” & TsungYen Chen, “Nanorobotics” March 2, 2012.

Brittany Edwardes, “How to Position Yourself on Facebook to Secure a Job, Get into Graduate School, or Land an Internship” & Laura Maxam plays the Baroque Masters, February 24, 2012.

Colby Qualls, “The Tea Party: Steamed Off” & Allison Wallace, “Progressive Taxation: Financing American Common Good,” February 17, 2012.

Sarah Maxam, “Aww, Miscreants CAN be Nice People!” & Sergio Ivan Perez Bakovic, “Technology and Culture in Bolivia and America,” February 10, 2012.

Josh Simmons & Jax Fliss, “Gosh Darn Delicious,” February 3, 2012.

Joey Baker, “Planking, Teapotting, and Owling” & Andrew Holt, “Internet Culture: 4chan, Memes & Anonymous,” January 27, 2012.

Amber Kaufman, “Serving Abroad: Peace Corps and the Philippines,” January 20, 2012.

Taylor Sutton and Sarah Steele, “The Human Genetics of Animated Disney Films” & Kirby Richardson, “When Worlds Collide: A Discussion of Hybrid Religion,” January 13, 2012.

Artificial Other Pecha Kucha December 9, 2011.

Patrick Russell and Michael J. Hinds, “Our National Parks: America's Greatest Idea,” December 2, 2011.

Ron Walter, “Why It's Okay to Steal Music and Movies Online: An Artist's Defense November 18, 2011.

Cathrine Schwader, “Rwanda: A Society of Transformations” & Brett Bailey, “Building a Competitive, Knowledge-Based Economy for Arkansas,” November 11, 2011.

Hannah Marks, “Disabled in the Dominican Republic” & a Special Performance on the Flute by Leanne Hampton November 4, 2011.

Brittany Edwardes and Danny Keil, “An Ancient Monarchy and Shopping Malls: The Fabrication of the Status Quo in Thailand,” October 28, 2011.

Lennon Bates, “Rock Art Field Studies” & Leanne Maxey on “Working with Artist Matt Lively,” October 14, 2011.

Ron Walter, “Time Travel, Love, and Nihilism: A Look at the Film *La Jeteé*” & Kim Risi, “Conceptualizing a Film (*The Man on the Moon*),” October 7, 2011.

Melissa Beltran, "DIY Culture" & Michael J. Hinds, "What Did You Say? An Introduction to Group Theory and Encryption," September 30, 2011.

Matthew Hankins and Taylor Sutton, "The Art & Science of Star Trek," September 23, 2011.

Ashton Wills, "Theology of the Body" & Sara Bayles, "Fair Trade/Liberation Theology: An Intersection of Faith and Justice," September 16, 2011.

Garrett Wright, Ben Wold, and David Friesen, "Fosters & Vegemite, or We Ain't No Bloody Melbourners," September 2, 2011.

Amber Haydar, "Brit Lit" & Kathy Hill, "Korea," August 16, 2011.

Renee Smith, "Destination Imagination," April 22, 2011.

Justin Bird, Caeli Waldron, and Shay Clark, "American Indian Literature and Culture," April 15, 2011.

UCA G.O.Y.A., "An Update on Parking and Transportation at UCA," April 8, 2011.

Jordan Karpe, "Honors Mural Project," April 5, 2011.

Matt Duncan, "Brecht and Friends: The Counterculture of Theatre," March 11, 2011.

Zach Barber and Sara Bayles, "Sex and the City" March 4, 2011.

Deborah Sanders, Kyle Boyd, and Robert Rogers, "Europe 010: Greece, Italy, and Germany," February 25, 2011.

Rachael Small, "Samba Dancing," February 18, 2011.

Melissa Beltrán and Cameron White, "Digital Piracy," February 11, 2011.

Jax Fliss, "Couchsurfing Belgium," February 4, 2011.

Spencer Smith, "Gay Marriage in Global Context," January 28, 2011.

Madalyn Van Valkenburg, "Celiac Disease," January 21, 2011.

Matthew Hankins, "Terraforming Mars," January 14, 2011.

Michael J. Hinds, "Ancient Awareness: An Answer to 2012," December 3, 2010.

Brad Cameron and Amber Haydar, "Paris," November 19, 2010.

Honors Core II class, "Honduras Help Summit," November 12, 2010.

Cameron White, "The Power of Comics," November 5, 2010.

Jordan Meinzer, "Nasty Grammar," October 15, 2010.

Isaac Jones, "Promoting and Monitoring Human Rights in South Africa: Or, Experiencing Democracy," October 8, 2010.

Ron Walter, "The Anti-Educational Effects of Public Schools," October 1, 2010.

Patty Graves, "Guggenheim vs. Google: Fine Art in a User-Generated Culture," September 24, 2010.

Josh Bregy and Destiny Schlinker, "Tea Time with Josh and Destiny," September 17, 2010.

Sean Oakley, "City Year: Young People Can Change the World," September 10, 2010.

Elizabeth Naglak, "The Exploration of Evolution," September 3, 2010.

Dietrich Ringle, "The Art and Science of Living Barefoot," August 27, 2010.

Ty Bittle, "Extraterrestrial Life," April 23, 2010.

Sumeit Gupta and Saroj Adhikari, "Bollywood Movies," April 16, 2010.

Rebecca McGill, "Sustainable Building," April 9, 2010.

Caroline Borden, Melinda Wheeler, Kyle Moix, Caeli Waldron, and Becca Warren, "Literature in the British Isles," April 2, 2010.

Rebekah Baugh, "An Appetite for Hungary," March 26, 2010.

Jordan Karpe and Matthew Duncan, "What is 'Good' Art?" March 12, 2010.

Elizabeth Loveless, "The History of Theatre," March 5, 2010.

Jacob Perry, "Honduras Hope," February 26, 2010.

Amanda Hickman, "Fish in the Dorm," February 26, 2010.

Ashley Ridlon, "An Insider's View of the Politics of Health Care Reform," February 19, 2010.

Cameron White, "Digital Distribution and the 'New Entertainment,'" February 12, 2010.

Ellen Jeffus, "Time Bank, UCA Honors," February 9, 2010.

Mariam Khan, Jordan Karpe, and Hannah Marks, "Blessed Henna," February 5, 2010.

Matt Ford, "Clearing the Air: Myths and Facts about Cannabis Use in the United States," January 29, 2010.

Josh Bregy, "The Weather," January 22, 2010.

Skip Thurman, "Fat Beats," January 15, 2010.

Eric Dietz, "An Introduction to Digital Filmmaking," November 20, 2009.

Autumn Bewley, Emi Hayashi, Julie McVey, Trace Thurman, Jordan Karpe, "Shanghai Free School," November 13, 2009.

Brittany Edwardes, "Food-Like Substances in Your Future," November 6, 2009.

Natalie Bergstrom, Jade King, Megan Johnston, Kane Moix, "Around the World in 38 Days," October 30, 2009.

Cody Wilson, "What Not to Eat," October 23, 2009.

Tamami Akagi and Dannis Armikarina, "Asian Cooking with Tamami & Dannis," October 9, 2009.

Sarah Crouch, "NaNoWriMo," October 2, 2009.

Katya Lyzhina, "Think Globally, Act Locally! What You Can Do to Improve Your Planet and Save Some Money Along the Way," September 25, 2009.

Kathy Hill, "North Korea and National Security," September 18, 2009.

Ron Walter, "Comedy, Absurdity, and Revolution: Everything You Need To Know About the New Wave of Romanian Cinema," September 4, 2009.

Michael J. Hinds, Dietrich Ringle, and Patrick Russell, "Wilderness Survival: The Fourfold Sacred Order," August 28, 2009.

Patrick Taylor, "Dorm Room Gourmet Cooking," August 21, 2009.

Whit Barringer, "A History of Animated Film," May 1, 2009.

Joshua Simmons & Brian Broussard, "The Last Minute Scholars (On Procrastination)," April 24, 2009.

Natasha Reed & Friends, "Travel Abroad and Safety Precautions," April 10, 2009.

Alli Hogue, "From Ray Winder to Dickey Stephens: Arkansas Travelers documentary," April 3, 2009.

Ben Maddox & Matt Duncan, "When the Ship Comes In: Folk Music and the Labor Movement," March 19, 2009.

Andy Hoelscher, "Bonsai Growing in Your Dorm Room," March 6, 2009.

Sara Mullally, "Undergraduate Internships," February 27, 2009.

Renee Ronquillo, "Table Top Bakery," February 20, 2009.

Jeremy Lusk, "Rise of the Alternatives Redux," February 13, 2009.

Michael J. Hinds, "Assessing the Feasibility of Biking for City Transportation," January 30, 2009.

F. John Rickert, "Is J. J. Abrams a Modern-Day Charles Dickens?" January 23, 2009.

Sydney Yeager, Kristen Spickard, & Josh Simmons, "All Things Greek," January 16, 2009.

Liz Youngblood & Friends, "Turning Japanese (I Really Think So)," third in series December 5, 2008.

Corey Womack & Friends, "Tanzania!" November 21, 2008.

Whit Barringer, "Coheed and Cambria," November 14, 2008.

Sarah Cogswell & Friends, "La France Profonde," November 7, 2008.

Liz Youngblood & Friends, "Turning Japanese (I Really Think So)," second in series October 31, 2008.

Drew Branscum & Friends, "Everything LGBTQ," October 24, 2008.

Jeremy Lusk, "Drive Like It Costs You Money," October 10, 2008.

Camille Wood, "Reuse It Or Lose It: Why Shopping Second-Hand Rocks," October 3, 2008.

Cathrine Schwader, "Origami Paper Cranes," September 26, 2008.

Liz Youngblood & Friends, "America in the Mind of Japan," first in series September 19, 2008.

Spencer Smith & Friends, "HCOL Intermediate and Advanced," September 5, 2008.

Spencer Smith & Friends, "HCOL for Beginners," August 20, 2008.

Chris Dendy, "Positive Psychological Effects of Religiosity," April 24, 2008.

Eric Dietz, "Spark: A Film," April 23, 2008.

Fabia Bertram, "A Skillful Performance on Piano," April 18, 2008.

Anthony Simmons, "Student Leadership in the Honors College: A Survey and Assessment of Student Participation," January 18, 2008.

Eric Deitz, "The Gospel According to Video Games," November 9, 2007.

Patrick Taylor, "How Suburbia Killed the Community," October 26, 2007.

Sara Mullally, "Russia: Frozen Tundra and Pickled Lenin," October 12, 2007.

Whit Barringer, "Avventure Italiane," October 5, 2007.

Kenneth Grand, "Waiting for the Great Leap Forward," September 28, 2007.

Charlie Dees, "The SecondLifely Experiment," September 21, 2007.

Rick Scott, Krystal Berry, Brooks Cato, Sally Cunningham, Meaghan Dellar, Natasha Reed, Tiffany Shumpert, Sydney Yeager, Darnell Clayborn, Allison Wallace, "Study Abroad in Tanzania," September 7, 2007.

Caleb Duvall, "The Case for a Creator," February 28, 2007.

Aaron Kopf, "The Case for Bigfoot," February 2, 2007.

Daniel Hall, "The Ambivalence of the Human Condition," November 10, 2006.

Eric Deitz, "Ripley vs. The Vagina Dentata," October 13, 2006.

Whit Barringer, "Adamant's Fire: The Search for a God Paradigm," October 6, 2006.

Maegan Murphy & Garrett Steele, "You Should Be Dancin,'" September 29, 2006.

Samuel Grubb, "Virtual Worlds: The Birth of New Civilizations," September 15, 2006.

Brad Klingsporn and Robbie Butler, "Debate on the Decriminalization of Mary Jane," April 20, 2006.

Mike Allen, "The Online Forum: Past, Present, and Future," March 15, 2006.

Aaron Kopf, "Confessions of a Christian," March 3, 2006.

Michael Herring, "Rise of the Alternatives: Free and Open Source Software," February 14, 2006.

Michael Herring, "Wireless Soapbox," October 7, 2005.

The Darwin Class, "Debate: Should Design Be Taught in Public High Schools?" April 20, 2005.

TEACHING

Courses Taught

Interdisciplinary Scholarship
Honors First and Second Year Seminars
Introduction to Western Civilization I & II
Introduction to World Civilizations
Survey of United States History I
Survey of United States History II
Introduction to the History of Technology and Engineering I
Introduction to the History of Technology and Engineering II
Art, Technology & Ideas
The Artificial Other: Minds, Machines & Meaning
The Attention Economy
Service & Civic Engagement
Demystifying Creativity

The Attention Economy
Science, Pseudoscience & Logical Fallacies
Cultural Heritage of the Modern World
Darwin's Science & the Darwinian Heritage
Documentary Filmmaking I
Hacking into the Life Sciences & Medicine
The Past, Present, and Future of eHealth
History of the Life Sciences & Medicine
Information Technology Law & Lawlessness
Trusting Technology in the Information Age
Empowering Learners & Leaders in the 21st Century
Online, Virtual, and Strange Communities
The Virtual Other
Oral History and the Study of Memory
Capstone Research
Oxford Tutorial
Senior Thesis
Senior Seminar in Global & Futures Studies
Graduate Seminar in the History of Technology, Engineering & Medicine I & II

Course Descriptions

Interdisciplinary Scholarship

Interdisciplinary Scholarship is a three-credit course designed to introduce students to the Independent Scholars major, and to the concepts of interdisciplinary study. Students will explore models of integrative thinking and interdisciplinary research in a range of contemporary areas of study, and will gain familiarity with the possibilities for individualized study at JMU. Successful completion of the course will involve the development of proposals for individualized curricula and independent research. Successful completion of IND 200 is required to declare the Independent Scholars major.

Independent Scholars Workshop

This is a three-credit workshop course designed to provide students in the Independent Scholars major with methodological competencies linked to major learning objectives across their curriculum, including independent research methods, preparing presentations, data visualization, research methods, working with teams and enhancing intellectual creativity.

Honors First Year Seminar

Students learn better when their college experiences are purposefully designed as coherent, integrated learning experiences in which courses and out of class experiences reinforce one another, and build on one another. HON 100 is a first step in the process of developing a shared vision for our place in society. We will discuss our core values with one another, think about our collective and individual missions in life, develop our goals, define strategies to attain those goals, and figure out ways to measure and track our progress. Discover Yourself. One of our most important activities will be to know ourselves better. Socrates called this "the examined life." In college we are expected to find out what we're good at, what we like and don't like, and what we want out of life. But human beings also exist in relationship with others, and there is meaning in the way those relationships grow. Our challenge is to learn our purpose and make conscious

choices that benefit ourselves and all of the many other people with whom we share the planet. Discover Our Community. JMU and the Shenandoah Valley have much to offer. It's likely you are here today because of what you observed on previous visits. We are going to ask you to discover as much as you can that will stretch you as a person. Take some educated risks. Hone your intercultural competencies. Engage in interdisciplinary learning. Look for opportunities for civic engagement in the Harrisonburg area. Discover Honors. Our strength as a learning community is combining the liberal arts core with high-impact practices developed through undergraduate research, internships and service, global learning, and collaboration. The Honors Program values academic competence, critical thinking, leadership and teamwork, self-reliance, aesthetic understanding and creativity, transferable skills, civic responsibility, and an irresistible thirst for knowledge and wisdom. In short, we aspire for more. We expect you to become educated and enlightened citizens who are dedicated to meaningful, lifelong learning.

The Search for Self

Three capacities, above all, are essential to the cultivation of humanity in today's world. First is the capacity for critical examination of oneself and one's traditions—for living what, following Socrates, we may call "the examined life." The second is an ability to see ourselves not simply as citizens of some local region or group, but also, and above all, as human beings bound to all other human beings by ties of recognition and concern. The third is an ability to think what it might be like to be in the shoes of a person different from oneself, to be an intelligent reader of that person's story, and to understand the emotions and wishes and desires that someone so placed might have.

The Search for Community

The second of the Human Search core courses, it is aimed at first-year scholars or those new to the interdisciplinary program. The Search for Community is a critical study of a variety of views on the nature of society drawn from various disciplines and cultures. The course will focus on societal formation and the institutional practices that circumscribe our lives.

Introduction to Western Civilization I

This course covers social and cultural developments, economic and political ideas and institutions, and problems of historical change and continuity in Western civilization from ancient Mesopotamia to 1500. We will consider developments in technology, economy, politics, religious institutions and faith, cultural media and social ideals. Together, these themes add up to civilization in the West. At the same time that we acquaint ourselves with these dimensions of the past, we will seek to acquire the basic skills professional historians use to learn about this past. We will spend some time each week discussing how the story of the West was shaped and defined by its interactions with the rest of the world.

Introduction to Western Civilization II

This course covers social and cultural developments, economic and political ideas and institutions, and problems of historical change and continuity in Western civilization from 1500 to the present. It will focus on ideas and events that have shaped the contemporary Western world. Students should emerge from the course able to participate in their society with an understanding of the history that shaped it. The course also provides the conceptual framework and background necessary for further, more specialized, study of history.

Introduction to World Civilizations

The course aims both to inculcate general knowledge about the development and diffusion of civilization and to foster an appreciation that such knowledge is vitally important to understanding our modern world. Introduction to World Civilizations is a survey of world history that provides a global and comparative perspective on the events and processes that have shaped our increasingly interdependent world. This survey course covers the unique heritage of Asian, African, Islamic, Western, and American civilizations while highlighting the role of the world's great religions and philosophical traditions. Introduction to World Civilization is a study of world civilizations from ancient times to the rise of Europe in the 16th Century. Emphasis is placed on the development of ideas and their manifestations in the world cultures of today.

Survey of United States History I

This course provides a basic history of American social, economic, and political development from the colonial period through the Civil War. It examines the colonial heritages of Spanish and British America; the American Revolution and its impact; the establishment and growth of the new nation; and the Civil War, its background, character, and impact. Readings include writings of the period by J. Winthrop, T. Paine, T. Jefferson, J. Madison, W. H. Garrison, G. Fitzhugh, H. B. Stowe, and A. Lincoln. As a communications-intensive subject, students are expected to engage intensively with the material through frequent oral and written exercises.

Survey of United States History II

This course studies the changing structure of American politics, economics, and society from the end of the Civil War to the present. We will consider secondary historical accounts and primary documents to examine some of the key issues in the development of modern America: industrialization and urbanization; U.S. emergence as a global power; ideas about rights and equality; and the changing structures of gender, class, and race. This subject also examines the multiple answers that Americans gave to the question of what it means to be an American in the modern age. As a communications-intensive subject, students are expected to engage intensively with the material through frequent oral and written exercises.

Introduction to the History of Technology & Engineering I

This course is an introduction to the consideration of technology as the outcome of particular technical, historical, cultural, and political efforts from ancient Sumer and Egypt to the early 18th century. We will examine ancient, medieval, and early modern science and technology, with an emphasis on scientific beliefs and the organization and purpose of scientific investigation and technological developments. Our focus will be on ancient Greece, the high and late Middle Ages, and the "Scientific Revolution" of the sixteenth and seventeenth centuries. Though the emphasis is on the Western tradition, we will also consider scientific and technological developments in other world civilizations. Cross-listed with Mechanical Engineering.

Introduction to the History of Technology & Engineering II

This course is an introduction to the consideration of technology as the outcome of particular technical, historical, cultural, and political efforts, especially in the West during the 19th and 20th centuries. Topics include industrialization of production and consumption, development of engineering professions, the emergence of management and its role in shaping technological forms, the technological construction of gender roles, and the relationship between humans and machines. Cross-listed with Mechanical Engineering.

Service & Civic Engagement

Engaged citizens make differences in the quality of life in local, national, and global communities. Upon studying a wide spectrum of contemporary issues, engaged citizens take action. This seminar provides opportunities for students to combine their intellectual pursuits with civic engagement and discourse, thereby empowering them to become engaged participants in tomorrow's global society. The Service Area of Emphasis prepares students to become engaged citizens in both local and global contexts. Service AoE students will develop a greater awareness of the social issues, people, culture, as well as political and social structures for a community in which they reside or visit; use the reflective process to identify multiple perspectives, identify meaning and to develop future actions from service and community experiences; identify root causes and possible solutions for a social issue; increase awareness of current events as they relate to social issues; demonstrate a commitment to be an engaged citizen; pursue opportunities for community-based, participatory research by acquiring skills and knowledge of real-life situations; answer a need or design an intervention that emerges from authentic conversation with community partners.

Demystifying Creativity

Creativity can be learned! This course will teach you how to nurture the hidden habits of highly creative people. Together we'll learn about creativity in a wide variety of contexts and workspaces, techniques that produce creative insights, creativity and teamwork, and digital creativity tools. We'll discuss processes for creation in literary, artistic, and humanistic spaces, the role of insight and imagination in scientific discovery and technical innovation, the neuroscience of creative achievement, and the philosophy and psychology of creativity. Along the way, we'll dispel common myths about creativity, take a look at the latest research on the subject, and debate the limits of standard measures of creativity and intelligence.

Reimagining Honors: Empowering Learners & Leaders in the 21st Century

Honors is a community of mutual support, dedicated to academic excellence. It encourages communication and collaboration across disciplinary boundaries and is a visible reminder of the vision and ideals upon which the university was founded. Honors inspires us to keep that vision alive for future generations of students. In this course, we will inform ourselves about the Honors movement in America and strive to understand how they accommodate the special needs, abilities, and achievements of undergraduate students they are designed to serve. "Reimagining Honors" will provide rich opportunities for us to promote serious scholarship and interdisciplinary learning at JMU while linking it to worldly engagement, equity, and integrity. And we'll be confronted with a variety of practical challenges based on the real world of higher education. By the end of this class, you should have the ability to recognize and appreciate not only valuable and creative contributions to honors culture, but also the valuable discourse carried on in leadership circles about that culture, and connecting its innumerable dots, and constantly remaking its shared standards. Our goal through the exercises in this class is to provide a community for students and faculty to engage in more frequent conversations, stimulate our intercultural competencies, and encourage a more holistic nature to the educating process.

Art, Technology & Ideas

Ever wonder what the most fundamental notions are that drive civilizations? Why exactly is ancient Egypt's landscape dominated by pyramids, while the High Middle Ages is known for their cathedral building? How did pointillism emerge in the nineteenth century and postmodernism in

the twentieth? Could it have happened any other way? This interdisciplinary course is all-encompassing. It is designed to explore the common threads in social and scientific thought, technological invention and innovation, and composition in literature and the arts from ancient times to the present. It will advance the proposition that creative activity in the sciences, philosophy, engineering, music, painting, architecture, and politics contributed to the formation of a series of coherent, cohesive Western worldviews.

Cultural Heritage of the Modern World

This course examines parallel developments in scientific and social thinking, technological design, and composition in literature, the arts, and music from the late medieval period to contemporary times. This subject offers a broad survey of texts (both literary and philosophical) drawn from the Western tradition and selected to trace the growth of ideas about the nature of humankind's intellectual and creative life in the West. It will deal with the change in perspective imposed by scientific ideas and changes in supernatural or religious perspectives on human events.

Science, Pseudoscience, and Logical Fallacies.

The world is changing at a rapid pace, driven by science and technology. Countless expressions of cutting-edge science and high technology pervade our world, and they profoundly affect the social, economic, and cultural outlooks of societies and individuals. In this course, we will examine the politics of science, public perceptions of science, scientific literacy, and the co-evolution of scientific expertise and democracy. What does it mean to be objective? Who can we rely upon as trusted authorities? How will science address, and potentially alleviate, the wicked problems plaguing our world? What is the impact of society on science? Topics will include past and present controversies within the history of modern science and technology (e.g. the geocentric universe, evolution, climate change, artificial superintelligence) as well as studies of what are generally considered pseudosciences (e.g. astrology, paranormal activity, cryptozoology, UFOs).

The Artificial Other: Minds, Machines & Meaning

Artificial intelligence is a fast-growing branch of computer science, a discipline famous for its interdisciplinarity. The purpose of this class is to understand the historical, literary, cultural, and philosophical impacts of smart technologies, and understand the scientific significance of artificial intelligence. We will study real and imagined efforts to simulate thinking and creativity. Artificial intelligence is helping people create and embrace new forms of art, perform unique forms of theater and dance, and make distinctive kinds of music. Quantum AI may help us understand the origins of life and the ultimate shape of the universe. It is also precipitating a gut-wrenching Fourth Industrial Revolution. AI threatens to automate people out of jobs, upend systems of wealth creation, and blur boundaries between the biological and digital worlds. Our smart machines are highly polished mirrors that reflect and magnify human feeling and ambition. AI opens us up to another way in which the world might be imagined, and sensitizes us to the richness of the human search for meaning.

The Attention Economy

The term “attention economy” depicts human attention as a limited resource in a world of ever-increasing connectivity and information overload. The class will take a critical look at the modern cultural situation of individual consumer attention being seen as a commodity that corporations and influencers are competing for. The course will examine both ends of this phenomenon, the

efforts of marketing and programmers attempting to control the attention of consumers, as well as the struggle of consumers to maintain agency and even clarity of thought under these conditions.

The Past, Present, and Future of eHealth Technologies

Digital tech has revolutionized science, medicine, and healthcare. New, innovative technologies are critically important to detecting and containing COVID-19 disease clusters and developing vaccines, and existing technologies are now mainstream and mission critical: telehealth or telemedicine, point-of-care electronic health records, and mobile apps for charting, lifestyle monitoring, patient-client-customer-consumer engagement, etc. This class will cover more than just instruments, equipment, and internet applications. We'll examine the past, present, and future of eHealth along a number of important interprofessional dimensions: methods of health evaluation; rapid reasoning under situations of uncertainty; questions of speed, efficiency, memory and professional expertise; clinical education and training; organizational bureaucracies and value-based care; empathy, relationships, and outcomes; the labeling and rationalizing of care processes; legal accountability; and common metaphors and philosophies. Many important issues and services remain unforeseen and/or unsolved. Perhaps you will imagine or invent something new!

Darwin's Evolving Science & the Darwinian Heritage

Did the Devil Make Darwin Do It? In his youth Darwin accepted the idea of intelligent design: that nature in its splendor derived from the work of an eternal Watchmaker. On the famous *Beagle* voyage he began to have doubts: Why do Galapagos mockingbirds differ slightly from island to island? What causes the formation of living coral atolls? Why do animals become extinct and where do their replacements come from? What is the answer to the “mystery of mysteries” – the law governing species change? *Was Darwin Afraid to Die?* A lifetime of work on the species problem convinced Darwin of haphazard evolution, an environment that caused species change, and human descent from a “hairy, tailed quadruped, probably arboreal in its habits.” In the process he discovered an animal kingdom red in tooth and claw – dependent on pain and suffering for its very survival. *Was Darwin a Darwinist?* Darwin weakened the argument for evolution by natural selection soon after the publication of the *Origin of Species* (1859). In subsequent editions of the *Origin* and elsewhere Darwin advocated “use and disuse,” correlated variation, gemmules, and blending inheritance – explanations that compromised his own evolutionary theory. *Did Anyone Believe Him?* Were scientists immediately convinced of the truth of natural selection? Did Darwin really provoke a war between religion and science in America? Do Christian fundamentalists generally dislike science because of Darwin? Likely texts are Adrian Desmond and James Moore's *Darwin: Life of a Tormented Evolutionist*, Michael Ruse's *Darwin and Design: Does Evolution Have a Purpose?* and Ronald Number's *Darwinism Comes to America*. Students will also read selections from Darwin's work, including his *Autobiography*, the *Origin*, and *Descent of Man*.

Documentary Filmmaking: Art, History, Practice

Non-fiction filmmaking combines the art of storytelling with the mandate of truth telling, and wraps these imperatives in an audio-visual package with many stylistic and strategic possibilities. This team-taught course imparts oral history, research and interview techniques that you will use in teams to investigate an aspect of your local community and environment. Guided by critical reflection on short cinematic exemplars examined in class, you will execute artistic and rhetorical decisions in order to shoot, edit, and present an effective film that communicates your point of view on the issue at hand. This course involves hands-on learning, teamwork, the acquisition of

practical skills (including working with commonly used technological tools), and appreciation of the methods and contexts of the rich documentary film tradition.

Hacking into Life: Has the Ideology, Culture & Tools of Computing Altered Your Worldview?

The first commandment of the hacker is “information-sharing is a powerful positive good.” Hackers are duty-bound to share their expertise by writing open-source code and facilitating access to computing resources whenever and wherever possible. In other words, *information wants to be free*. What is it about today’s hacker counterculture that makes it so cool? Who are the razor girls, script kiddies, gargoyles, and net cowboys? Who are their opponents and what are their methods? How has the war for cybersecurity shaped the world around us? In this seminar, we’ll examine the ultimate leet other: the programmer. We’ll examine her ideas, habits, fashion, socioeconomic success, and history through close readings of nonfiction and fiction.

History of the Life Sciences & Medicine (Upper Division Interdisciplinary)

This introductory course covers the emergence of human sciences and technologies – medicine, physiology, cytology, public health, and social sciences – in the social and cultural context of Western world. This course is a general survey of the history of Western medicine from antiquity to the twentieth century. It explores key conceptual developments and practices of the past, situating healing systems within their intellectual, cultural, and social contexts. The course has a strong historiographical emphasis, comparing and contrasting approaches to episodes in the history of medicine. We will start by examining the emergence of medicine as a recognizable subject of discourse in antiquity, the ways in which this tradition was both preserved and changed during the medieval period, and then was transformed in the medical, scientific and political revolutions of the sixteenth, seventeenth and eighteenth centuries. An examination of changing concepts of the body, life, health and disease will be used to investigate the rise of scientific rationalism and biological science as a basis for contemporary medical practice.

The Law & the Lawless: Adventures on the Cyberspace Frontier

Privacy is an outdated notion. Unlike the frontier of the past where one could pull up stakes, head west, and begin a new life, second chances and new beginnings are no longer possible. You cannot escape your past – at least your digital past. That “cool” picture of you holding a loaded bong on Facebook might one day prevent you from getting a job, that big promotion, or even a bank loan. Moreover, advances in national security surveillance technologies, along with weakened legal restraints that protect our privacy have us moving toward a surveillance society. The government’s access to your personal information begins with the thousands of databases it maintains on the lives of Americans. Unfortunately, it doesn’t end there. The Information Age at once creates opportunities for communication and global interaction as never before and, at the same time, threatens privacy and civil liberties in a host of new and dangerous ways. This course will look at the assault on privacy and civil liberties taking place right now. You are probably unaware of many of the violations. Some questions we will address are: What will the surveillance society be like? Do we really want to live in a society where every action is monitored, recorded, and archived? Where is the line to be drawn? What are the consequences for democracy? Can we have both security and liberty? Or must we live in perpetual fear of losing both? What, if anything, can be done to thwart the destruction of our privacy and liberties? Or ... is it already too late?

Online Communities: Technology, Values, Folkways

The Online Forum has fundamentally changed the experience of community in the Honors College since its inception in 2003. In this team-taught course, students will investigate the nature of online communities, using our own Online Forum as our experimental laboratory. What problems have online communities needed to solve? What brings communities together in the virtual world, and what binds members to each other? How do technological tools and interfaces – the “built environment” of online communities – change the human interactions that take place therein, and vice versa? Students will envision the future of the Online Forum as it evolves into HCOL, the integrated online Honors environment. Project teams will have a chance to investigate problems, solutions, and improvements by sifting the web and RL (real life) for similar or analogous cases. At the course's culmination, these teams will propose designs and techniques for implementing the next generation of the Honors online community. This course is a chance for students to shape the system that is affecting us now, and will continue to affect future Honors generations.

Opening Windows on New Worlds: Journeys into Virtual World Design & Development

The future of civilization is being pioneered today by game designers who are creating alternative, virtual worlds for humanity that resemble our own reality. They may even be dictating how our “real world” functions. Explore what it takes to create and manage virtual worlds as well as govern their inhabitants. Learn how to create a world for everyone, how player vs. creator governance works, the politics and economics of “fun,” and the social implications of virtual worlds today and in the future. All students are welcome; no prior experience with gaming or online role playing is required.

Oral History & the Study of Memory

Interested in life histories of important people in your community? Want to make your voice heard? Wondering what to do for your senior thesis project? This course focuses on the collection, analysis, and use of oral histories as primary sources for scholarly study, capturing community memory, and curriculum development. The course is divided topically into several overlapping areas of study: basic ethnographic fieldwork and historical analysis; approaches to memory; instructional and interpretive strategies; interviewing, editing, and documenting; folk study; archives; public uses; oral history and new media; and the new oral history of business, technology, and industry. Texts are Donald Ritchie's *Doing Oral History*, Ronald Grele's, *Envelopes of Sound*, and David Kyvig and Myron Marty's *Nearby History: Exploring the Past Around You*.

Strange Communities: The Secret Lives of Gangs, Monks, Wikifolk & Other Unusual Tribes

We tend to think of community as the fuzzy, friendly altruism of neighbors – or perhaps as the dead weight of traditions and folkways. But all around us people engage in weird roleplay that determines our social universals. Much of it passes as normal conduct. Gangs may be outside the law, but they're far from anarchic; to their members, they function as support group, school, and justice system all in one. When a group of men (or women) withdraw from society to live out their lives in solitary, maybe even silent, devotion to God, there are powerful motivations and consequences for that choice. And online, millions participate in forms of community, with similarities to and differences from meatspace communities that we are only beginning to appreciate. Come join us for a wide-ranging, intensely collaborative, highly experimental exploration of these and other strange communities – and maybe the formation of one of our own!

Trusting Technology in the Information Age

How dependent are we on computer systems and computer decision-making? What do telemarketers and data warehousing companies know about you? Is too much privacy bad for your health? Students in this course will probe the origins and consequences of hacking, identity theft, cyberterrorism, cryptography, spyware, and other privacy and security concerns of our Information Age. Topics to include applications of state-of-the-art technologies in commerce, national security, and democracy; and the social responsibility of science and engineering. Historical perspectives on the rise of amateur photography, secrecy systems, wiretapping, and SDI (Star Wars). Texts: Ellen Ullman's *Close to the Machine: Technophilia and Its Discontents*, Laura Gurak's *Persuasion and Privacy in Cyberspace*, Paul Edwards' *The Closed World: Computers and the Politics of Discourse in Cold War America*, the short story Sam Hall by science fiction writer Poul Anderson, and other primary sources.

The Virtual Other in Interactive Fiction

How many worlds have you saved? How many identities have you assumed? How many times did you die jumping that chasm? Jumping in and out of parallel universes, the art that gamers consume is strange. They travel to alternate worlds, just like myriad bookworms and movie buffs; but these worlds are experienced in a truly unique way: they are interactive, which makes the games experience the product of both the creator and the consumer (to an ever-increasing degree), providing a unique perspective into our experience of the other. In this class, we will survey, as broadly as possible, the realm of single-player video games. We will run the gamut of interactive computerized fiction from text-based gaming like Zork and ADVENT (as well as modern works), to the classics of the 8- and 16-bit era, all the way up to the latest and greatest works for modern consoles. However, our survey won't be conducted in chronological order. Rather, we will split the class material into the study of various literary and artistic dimensions, and compare and contrast said dimension's implementations across generational gaps.

Senior Seminar in Global Studies

The twentieth century witnessed the establishment of three mass utopian experiments: Nazi eugenic fascism, Soviet central planning, and Western democratic capitalism. Two of these utopias have already collapsed. So far, the invisible hand of the global information economy has preserved the third. But in a world of insatiable appetites which will it be: bliss or ... abyss? Can critics of an American-style global economy be taken seriously? Texts include Joseph Stiglitz's *Globalization and Its Discontents*, Jagdish Bhagwati's *In Defense of Globalization*, Francis Fukuyama's *Our Posthuman Future: Consequences of the Biotechnology Revolution*, and Robert Klitgaard's *Tropical Gangsters: One Man's Experience with Development and Decadence in Deepest Africa*.

Senior Seminar on Humanity's Edge

What is the future of humankind? Will our children find a way to preserve and extend civil liberties or will they prefer the safety of the omniscient robotic eye? Will they develop a new ethics to deal with expanding populations of superintelligent progeny, cyborg surrogates, and personal intelligent agents? Or will they instead arrive at a new Stone Age as resources dwindle and dangers multiply. We will consider in this class several current interdisciplinary projects of humankind that aim to abolish humankind as we know it. Cultural posthumanism, a movement to push human nature to unceasingly adapt to new technological and scientific knowledge; Philosophical posthumanism: a proposition which is critical of the humanistic assumptions of the

Renaissance and its legacy; Transhumanism: an ideology and movement which seeks to develop and make available technologies that eliminate aging and greatly enhance human intellectual, physical, and psychological capacities, in order to achieve a posthuman future; and in general the Posthuman condition: the deconstruction of the human condition by critical theorists. Texts include Gregory Stock's *Redesigning Humans: Our Inevitable Genetic Future*, Steve Talbott's *Devices of the Soul: Battling for Our Selves in an Age of Machines*, and Margaret Atwood's novel *Oryx and Crake*.

Senior Seminar on Education, Work & Our Future Economy

In this presidential election cycle, candidates extol the virtues of education, economic growth, and job creation as keys to the future. But what does a quality education look like in the twenty-first century? Where can we squeeze out additional profits amid soaring commodities prices and calls for sustainable practices? What will the jobs of the future look like? Are we prepared for the next economy? Emerson once wrote: "Don't waste life in doubts and fears; spend yourself on the work before you, well assured that the right performance of this hour's duties will be the best preparation for the hours and ages that will follow it." Is this all the reassurance we need?

Oxford Tutorial

All universities are populated with students and teachers drawing from a shared well of knowledge that is constantly being refilled. The Honors College has put together this course to engage you in helping to replenish this well. Competence will be made manifest by addressing common problems in scholarly research, and accepting the gentle guidance of a handpicked faculty tutor. One purpose of the Oxford Tutorial is to provide an opportunity for you and a faculty member to explore a topic of shared interest together. Another is to explore representative standards for research. To this end, weekly class meetings will help you to define a paper topic from preliminary research, utilize bibliographic databases and serials catalogs, shelf-read for works in print and surf to appropriate electronic texts, locate relevant specialized reference works and professional journals, develop strategies for uncovering primary and unconventional sources of research, rigorously evaluate primary and secondary sources, organize notes, shape an insightful, original thesis statement, master writing and citation styles, avoid plagiarism and ethical lapses in the conduct of research, locate grant funding and outlets for publication, enjoy interdisciplinary research as a vocation.

Honors Senior Thesis

This course has been developed to motivate, support, and polish your Honors College Undergraduate Thesis. The course centerpiece is the weekly workshop. The workshop is a time to review work-in-progress in a convivial setting, and to prepare for the Honors Thesis presentation during Finals Week. Successful Honors graduates will demonstrate skill and authority in participating in a community of scholars, preparing and completing a thesis, and orally defending a thesis.

Senior Capstone in Independent Scholars

In this course students will move between past, present, and future, reflecting on prior knowledge and ideas, gaining new real-world experiences, and integrating both new and old in communicating visions for the future. The course revolves around a series of independent, real-world "immersive" learning experiences undertaken individually, with each immersive experience followed by a teaching event where the student shares and reflects collaboratively with the class.

This work will culminate in a collaborative deliverable where students identify common threads in their work, trace these threads to broader questions and ideas, and create new understandings of those questions and ideas.

Seminar in the History of Technology & Engineering (Graduate)

This seminar provides a graduate-level survey of the history of technology from pre-classical civilizations to the eve of the Industrial Revolution, and from the Industrial Revolution to modern times. Emphasis is on the historical literature, varying interpretations of the period, and problems for continuing research. Readings will introduce some of the key questions, concepts, approaches, and “schools of thought” within the field while simultaneously offering historical perspectives on technological change and the relationship between technology and society, primarily in the West.

JMU Summer Honors Institute Core Instructor

Demystifying Creativity, July 10-14, 2023.

Demystifying Creativity, July 11-15, 2022.

Life among the Robots, June 25-29, 2018.

The Social Lives of Robots, July 11-15, 2016.

Robot Studies: Artificial Intelligence, Culture, and Automation, July 5-11, 2015.

Science and Technology as Ways of Knowing, July 13-20, 2014.

Independent Study Courses

Tricey Splan, “Survey of Perceived Costs and Benefits of Regional Undergraduate Conferences,” Spring 2019.

Garrett Wright, “Drinking Culture: An Oral History,” Spring 2011.

Greg Simpson, “Math and Beauty as Expressed in *G.E.B.*,” Spring 2011.

Lydia Senko, “Robot Rights in Art,” Spring 2011.

Max Sawyer, “Artificial Intelligence and Cognitive Science,” Fall 2010.

Genevieve Kimbrough, “Music and Technology,” Spring 2010.

David Wilkins, “Digital Play,” Spring 2010.

Josh Bramlett, “The George W. Bush Legacy,” Spring 2009.

Elizabeth Youngblood, “I Think I’m Turning Japanese: Oral Histories of UCA International Students,” Fall 2008.

Katelyn Johnson, “Australia Internships or Summer Programs,” Fall 2008.

Tori Green, "Correlation between Employee Satisfaction and Productivity in IT," Spring 2008.

Eric Deitz, "Oral History and Video Production," Spring 2008.

Sydney Yeager, "Survey of Computer-Mediated Communications Use," Fall 2007.

Laura Berbusse, "Creating the Marshallese Diaspora Identity in Northwest Arkansas: Oral Histories," Fall 2007.

Jennifer Rullmann, "Hacking into Life," Spring 2007.

Micah Glover, "Collegiate Band Music: Composers, Musicians, and the Audience," Fall 2006.

Jennifer Rullmann, "The Honors Homebrew Club," Summer 2006.

Trent Williams, "The Artificial Other in the Science Fiction of Robert J. Sawyer," Fall 2005.

Maegan Dellar, "The Science of A.I.," Fall 2005.

Jennifer Rullmann, "The Science of A.I.," Spring 2005.

Teaching Assistants

Demystifying Creativity

Spring 2024: Katie Kalenichenko

Honors First Year Seminar

Fall 2018: Jesus Armenta, Nanda Azevedo, Ava Barton, Matthew Best, Thomas Bryn, Sophia Cabana, Nicolette Chuss, Elizabeth Elia, Norman Ellis, Jacob Elson, Alyssa Faison, Madalyn Ferlazzo, Ana Hart, Grace Lloyd, Elizabeth Neslund, Lauren Palmieri, Laura Ruple, Caroline Ryan, Hannah Sandler, Nina Schenk, Brittany Sheffield, Katherine Topf, Kathryn Young, Cynthia Zastudil.

Fall 2017: Matthew Best, Sarah Boelsche, Lauren Calderaro, Melanie Callihan, Jazmin Castro Alvarez, Hannah Creighton, Jennifer Helenek, Christopher Huber, Hasti Izadpanah, Samantha McAnallen, Lauren Palmieri, Michael Rosenbaum, Caroline Ryan, Kristin Sammons, Nina Schenk, Susan Schott, Patrice Splan, Ryan Strand, Katherine Topf, Laura Van Demark, Destin Webb, and Cynthia Zastudil.

Fall 2016: Bikash Thapa Adhikari, Sydney Ashton, Kayla Barker, Roxanna Behrooz, Matt Best, Devin Boehmer, Marisa Campanella, Amanda Cascio, Kyle Cicalese, Megan Cizek, Kristen Dawson, Ariel Dunay, Jessica Dymon, Caris Giessler, Kaitlin Holland, Justin Kidd, Tori Klier, Amy Lebrecht, Flora Lindsay, Kierra Lynch, Sam McAnallen, Katie McGee, Kathryn McGee, Sarah Miller, Joseph Molnar, Pamela Molnar, Kylie Pepper, Lauren Pope, Casey Quinn, Michael Rosenbaum, Ashley Runnells, Nina Schenk, Susan Schott, Anne Sherman, Elizabeth Surface, Shawn Tuman, Emily Vayo, Destin Webb, Alexandra Wilson, Amanda Zwerin.

Fall 2015: Bikash Adhikari, Sam Auch, Kayla Barker, Roxana Behrooz, Hailey Bennett, Catherine Broyles, Elizabeth Edelman, Robert Graham, Kayla Graves, Victor Hammarin, Kailyn Harris-Gilliam, Megan Hines, Kaitlin Holland, Emily Ingersoll, Olivia Kimmel, Aaron Kline, Kara Krantz, Robin Lauber, Kierra Lynch, Katie McGee, Sarah Miller, Matthew Morrissey, Rachel Nelson, Zyanya Otal, Brooke Pearson, Kylie Pepper, Christina Reilly, Ashley Runnells, Catherine Torres, Shawn Tuman, Simon Watrous, Allison Woolf.

Fall 2014: Margot Asmuth, Angelica Babauta, Elizabeth Brannon, Jordan (“Ali”) Byrd, Sean Byrne, Victor Hammarin, Catherine Herron, Megan Hines, Jessica Hunt, Kunal Jain, Jackie Jessop, Laura Johansen, Kara Krantz, Connor Linehan, Samantha Logan, Lauren Maher, Alexandra Mason, Ruth Menger, Sarah Miller, Holly Millet, Donna Moberg, Dorothy O’Donnell, Rachel Pittard, Victoria Price, Elizabeth Schaefermeier, Tanner Post, Maria Restrepo Chavez, Caroline Utne, Lindy Westenhoff, Emily Winter.

Honors Core II: The Search for Community

Alissa Sexton, Spring 2013
Destiny Schlinker, Spring 2012
Amber Haydar, Spring 2011
Caroline Borden, Spring 2010
Felecia Cagle, Spring 2009
Jordyn Haught, Spring 2008
Dawn Hughes, Spring 2007
Bethany Teel, Spring 2006

Honors Core I: The Search for Self

Melissa Beltrán, Fall 2012
Wilson Alobuia, Fall 2011
Jordan Karpe, Fall 2010
Julie Storing, Fall 2009
Blake Bowman, Fall 2008
Patrick Taylor, Fall 2007
James Hyde, Fall 2006

Graduate Supervision, Internships, and Practica

Sydney Yeager (Southern Methodist U.), “Mourning Practices on Facebook: Facebook Shrines and Other Rituals of Grieving in the Digital Age,” outside committee member for Ph.D. in Digital Anthropology, 2017–2021.

Russell Carey (U. Arkansas Clinton School of Public Service), “Inclusive Honors Education: The Imperative for Change and Promising Practices,” outside committee member for M.A. in Public Service, 2012–2013.

Eric Dietz (UCA), “Robotics and Digital Filmmaking,” practicum, 2009–2010.

Brian Michael Allen (UCA), “Online Communities,” internship for M.A. in College Student Personnel Services & Administration, 2007.

Elisabeth Van Meer (UMN), “Software History,” ABD supervision, 2003–2004.

Juliet Burba (UMN), “Software History,” ABD supervision, 2002–2003.

Corinna Schlombs (UMN), “Software History,” ABD supervision, 2000–2001.

Undergraduate Honors Thesis Supervision

Stephanie Friend, “Artificial Organs: Research, Ethics, and Technological Developments in Regenerative Medicine” (2023, advisor).

Julia Shreve, “Physical and Mental Effects of Long-Term Hormonal Contraception Use Among College-Aged Females,” (2023, reader).

Stephanie Friend, “Artificial Organs: Research, Ethics, and Technological Developments in Regenerative Medicine” (2023, advisor).

Jayne Magill & Danielle Shapero, “Progression of the U.S. Healthcare System through Comparison of the Spanish Influenza and COVID-19” (2022, co-advisor).

Kelly Bradshaw, “Becoming a Storyteller” (2022, co-advisor).

Jory Woods, “Inside the Independent Expenditure Community” (2021, reader).

Grace Bailey, “A Meta-Analysis to Explore the Effect of Internet Addiction on Individual Logical Reasoning and Problem-Solving Processes” (2021, advisor).

Thomas Bryn, “Star Wars and Political Thought: Dynamics of the System, the Nature of Conflict, and Justified Rebellion” (2021, advisor).

Andrew Parr, “The Past, Present, and Future of Universal Healthcare” (2020, advisor).

Ryan Adams, Paige Franklin, and Caroline Henry, “What the Hack is a Hacker?” (2019, advisor).

Ally Fisher, “Economic Development and Peace: To Be Pursued in Tandem” (2019, reader).

Nina Schenk, “Rewriting the Curriculum for Honors 300: Teaching for Teaching Assistants” (2019, reader).

Jessi Mongold, “Employee Empowerment through Ethical Decision-Making” (2018, advisor).

Kimberly Hearn, “Advancing STEAM Learning through Virtual Reality” (2018, advisor).

Alexandra Bowen, “Associations between Grit and Academic Factors” (2018, reader).

Rebecca Richardson, “Judging Laura” (2015, advisor).

Nirja Desai, “An Elephant’s Word: How Trauma and Isolation Affect Social and Psychological Development in African Elephants” (2014, reader).

Justin Bird, “The Sovereignty of Self: Identity and Structure in Sherman Alexie’s Autodidacts” (2013, reader).

Patricia Graves, “Distorted Identity: A Visual Exploration of How Digital Culture is Redefining the Self” (2013, reader).

Laura Maxam, “Stories from the Southern Skies: Agricultural Aviation and the Importance of Preserving Oral History” (2013, reader).

Meredith Grubbs, “Never Let Your Fear Decide Your Fate: Overcoming Aquaphobia through Swim Lessons” (2013, reader).

Travis Mosler, “Diamond John: A Historical Film about Arkansas” (2013, reader).

Jonathan Randle, “How to Effectively Learn a Second Language” (2013, reader).

Laralyn Thomas, “Uncovering the Black Box: A Process Evaluation of Faulkner County Drug Court” (2013, reader).

Sarah Clarke, “Gamers, Lovers, and NPCs: How Emotional Connections Formed with Artificial Beings are Affecting Our Lives and Changing Our Society” (2012, advisor).

Ty Bittle, “Borderlands: Short Works in Near Future Hard Science Fiction” (2012, advisor).

Zachary Stallings, “The Untapped Potential of Lucid Dreaming: A Scientific Journal” (2012, advisor).

TsungYen Chen, “Nanotechnology, Precious Metals, and Personalized Treatment: The Scientific and Social Impacts of Nanomaterials in Medicine” (Spring 2012, reader).

Brandi Bowlin, “A Bit About IMAC ... No, Not the Computer” (Spring 2012, reader).

David Wilkins, “The Culture of Video Gaming: Resolving the Clash of the American and Japanese Industries” (2011, advisor).

Kristin Thorvilson, “Climate Change Alarmism: The Distortion of Science and the Push for Global Governance” (Spring 2011, reader).

Allison Yocum, “Memories of Mississippi: The Story of Hurricane Katrina” (Spring 2011, reader).

Caroline Davis, “Equine Wound Care” (2010, reader).

Matthew Ford, “Is God a Scientist or Is Science God? An Analysis of the Cosmological Argument for the Existence of God” (2010, reader).

Geoffrey Wright, “How Natural Is the Natural State? Sustainability in Arkansas Outdoor Recreation and Tourism” (2010, reader).

Rebecca Harvey, “Bridging the Divide: Real Life Wedding Planning in Second Life” (2010, advisor).

Ellen Jeffus, “Green Restaurants” (2010, reader).

Felecia Cagle, “The Psychology of Color” (2010, reader).

Allison Yocum, “Memories of Mississippi: An Oral History of Hurricane Katrina” (2010, reader).

Lacy Tyson, “Static Action: The Rise of Technological Literacy” (2009, reader).

Aaron Kopf, “He Said, She Said: The Effects of Gender on the Perception of Epic Individuals” (2009, reader).

Katie Roberts, “Explore Arkansas: A Model Business Plan for an Outdoor Adventure Outfitter” (2009, reader).

Rachel Layman, “Alternative Fuels: What Will It Take to Break the World's Addiction to Oil?” (2009, reader).

Seth Byers, “Science > Nationalism: The Ebb and Flow of High Energy Physics in America” (2009, advisor).

Sam Grubb, “Virtual Worlds as Town Squares” (2008, advisor).

Maegan Murphy, “We Try Harder: The History and Legacy of Creative Advertising” (2008, reader).

Holly Smith, “A Study of the Practical Applications of Thermocoustic Engines and Refrigerators” (2008, reader).

Hallie Templeton & Anna Drinkwitz, “WWW—Where Weirdos Wander? The Mysterious Depths of Online Socialization” (2008, advisor).

Jennifer Rullmann, “01101000: Notes from the Dark Side” (2008, advisor).

Shin-Chiao Fang, “Domo Arigato, Mr. Ishiguro: The Rise of Machines in Japan and America” (2008, co-advisor).

Miranda Mendenhall, “MySpace: Safety and Security for all Ages” (2007, advisor).

Meaghan Dellar, “Being Scottish in England’s Great Britain: Scotland’s Identity and Political Future” (2007, advisor).

Travis Henry, “Rootdiggers and Grannywomen: Do Folk Remedies Have Any Modern Medicinal Applications?” (2007, reader).

Jose Guzzardi, “The Politics of Seeking a Permanent Seat in the United Nations Security Council: An Analysis of the Cases of Brazil and Japan” (2007, reader).

Aaron King, “From Knife Slinging to Sushi: Teppanyaki in America and the Invention of Tradition” (2007, reader).

Michael Flanagan, “Using Technological Innovation to Improve the City of Conway, Arkansas” (2006, reader).

Valerie Keith, “The University of Central Arkansas: A Quilted Centennial” (2006, reader).

Mariama Balla, “A New Medical Specialist: Planning and Implementing a Hospitalist Service in a Central Arkansas Hospital” (2006, co-advisor).

Chris Luna, “Attack of the Atomic Alien Robot Communists! Or: Reflections on Cold War Science Fiction” (2006, reader).

Shannon Palmer, “Discourse and Dissension in the Autism Community: Who’s Talking and Who’s Listening?” (2006, reader).

Amanda Dougherty, “Gender Styles in Online Academic Communities” (2006, co-advisor).

Michael Herring, “Masterworks (On Video Games as Literature)” (2006, advisor).

Kristen Hill, “Democracy and Technology: How the Internet Promotes Political Participation” (2006, advisor).

Dustin Seaton, “In Search of a Common Ground: Double Consciousness in Progressive-Era America, 1880–1920” (2005, reader).

Cody Cook, “The Heyday of the Art of Fly Tying: How the Evolution of Natural History is Tied into Trout Flies of the Victorian Era” (2004, reader).

Amy Bozarth, “Creative Pen for Normal Men (and Women): A Poetic Praxis for Writing to Heal” (2005, co-advisor).

Brian Michael Allen, “Community Dynamics in the 21st Century: Exploring the Space between Real Life and Cyberspace in the UCA Honors Community” (2005, advisor).

Caleb Horne, “Colonization and Identity: An Online Course on Modern Congolese History” (2005, reader).

Student Presentations at Conferences

Mariam Elassal, “Contextualizing Incarceration,” Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2023.

Regan Elmore, “How Do We Define Lines?” Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2023.

Ramanpreet Kaur, “Leadership and Teamwork in Action,” Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2023.

Marco Seaberg, “The Power of Hair in Identity,” Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2023.

Lea Summers, “Paws and Hearts: Exploring the Therapeutic Potential of the Human-Animal Bond,” Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2023.

Evan Smith, "Expanding Business Education Beyond the Classroom," Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2023.

Emily Magee, "The Patient-Provider Healthcare Relationship," Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2023.

Casey Smith, "Fabrication (of a) Business," Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2023.

Xanthia Gomez, "Navigating Identity and Intersectionality, and Its Influence on Travel," Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2023.

Jefferson Tjaden, "Using Artificial Intelligence in a New Era of Space Exploration," Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2023.

Connor Kreitzman, "To Be In This Body," Annual Meeting of the Southern Regional Honors Council, 2023.

Camilla Brown, "Attention Span and Reading," Individualized Major Program Metaverse Conference, 2023.

Teagan Johnson, "Preserving, Protecting, and Perpetuating the Breed: The Choctaw Ponies of Oklahoma," Individualized Major Program Metaverse Conference, 2023.

Kiera McCrohan, "How to Build a Brand for Yourself in the Music Industry," Individualized Major Program Metaverse Conference, 2023.

Minh Nguyen, "The Intricacies of the American Healthcare System," Individualized Major Program Metaverse Conference, 2023.

Evan Reber, "Water Resources Sustainability," Individualized Major Program Metaverse Conference, 2023.

Eva Suskind, "Modern Korean Studies: The Korean Wave, How It Functions, and Its Complications Abroad," Individualized Major Program Metaverse Conference, 2023.

Olivia Williams, "Three Ways to Connect Virginia State Standards to Climate Change Lessons," Individualized Major Program Metaverse Conference, 2023.

Shay Dauphinais, "The Power of Role Models," Individualized Major Program Metaverse Conference, 2023.

Camilla Brown, "Attention Span and Reading," Annual Meeting of the Virginias Collegiate Honors Council, 2023.

Teagan Johnson, "Preserving, Protecting, and Perpetuating the Breed: The Choctaw Ponies of Oklahoma," Annual Meeting of the Virginias Collegiate Honors Council, 2023.

Kiera McCrohan, "How to Build a Brand for Yourself in the Music Industry," Annual Meeting of the Virginias Collegiate Honors Council, 2023.

Allie O’Keeffe, “Ethics of AI: A Preliminary Survey,” Annual Meeting of the Virginias Collegiate Honors Council, 2023.

Minh Nguyen, “The Intricacies of the American Healthcare System,” Annual Meeting of the Virginias Collegiate Honors Council, 2023.

Evan Reber, “Water Resources Sustainability,” Annual Meeting of the Virginias Collegiate Honors Council, 2023.

Eva Suskind, “Modern Korean Studies: The Korean Wave, How It Functions, and Its Complications Abroad,” Annual Meeting of the Virginias Collegiate Honors Council, 2023.

Olivia Williams, “Three Ways to Connect Virginia State Standards to Climate Change Lessons,” Annual Meeting of the Virginias Collegiate Honors Council, 2023.

Shay Dauphinais, “The Power of Role Models,” Annual Meeting of the Virginias Collegiate Honors Council, 2023.

Ian Moran, “Building Better Wind Turbines for a Sustainable World,” Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2022.

Connor Kreitzman, “Using Music to Elicit Fear in Horror Movies,” Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2022.

Parker Bigley, “Understanding Intergenerational Communication in the Context of Neurodivergence and Mental Health,” Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2022.

Timothy Custer, “The ‘Influencer’ Era: Demystifying the Marketing, Monetization, and Search Engine Optimization of Social Media Platforms,” Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2022.

Sarah Brantley, “Fostering Long-Lasting Relationships between Businesses and Nonprofits,” Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2022.

Liliya Petrosyan, “Towards a Sociological Understanding of Classical Music Institutions,” Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2022.

Katie Dealey, “Art Therapy for Rehabilitation in Juvenile Detention Centers,” Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2022.

Sarah McCormick, “Protecting and Nurturing Society through Informed Crime Prevention,” Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2022.

Emma Saville, “Navigating the Difference between Appreciation for and Appreciation of Cultures,” Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2022.

Jaeda Cohen, “Being a Successful Consulting Influencer,” Annual Meeting of the Virginias Collegiate Honors Council, 2022.

- Anthony Lawson, "The Remarkable Effect That Algorithms Have on the Way We Think," Annual Meeting of the Virginias Collegiate Honors Council, 2022.
- Hannah McAllister, "The Great Disconnect: When the Media, Mission, and Management of Humanitarian Responses are Misaligned: Through the Lens of the 2010 Haitian Earthquake," Annual Meeting of the Virginias Collegiate Honors Council, 2022.
- Deaquan Nichols, "Regulation of Electron Transfer Pathways in Cytochromes with Aromatic Amino Acids," Annual Meeting of the Virginias Collegiate Honors Council, 2022.
- Lily Perry, "The History of Media: Innovators and Their Effects on Society," Annual Meeting of the Virginias Collegiate Honors Council, 2022.
- Cyrus Sarehraz, "Business Management for Media and Entertainment," Annual Meeting of the Virginias Collegiate Honors Council, 2022.
- Angie Wiederock, "Finding Harmony: Why Communication Studies and the Music Industry (Should) Go Hand-in-Hand," Annual Meeting of the Virginias Collegiate Honors Council, 2022.
- Jaeda Cohen, "Behind the Scenes of a Consulting Influencer," Annual Meeting of the Virginias Collegiate Honors Council, 2022.
- Anthony Lawson, "Social Media and the Illusion of Choice," Annual Meeting of the Virginias Collegiate Honors Council, 2022.
- Hannah McAllister, "Forgotten Promises, Stunning Disparities: The Humanitarian Failures and Media Successes of the 2010 Haitian Earthquake," Annual Meeting of the Virginias Collegiate Honors Council, 2022.
- Deaquan Nichols, "Nature vs. Nurture in Neurology: Is It as Complicated as We Once Thought?" Annual Meeting of the Virginias Collegiate Honors Council, 2022.
- Lily Perry, "A Walk through Mass Media History and Where We Are Today," Annual Meeting of the Virginias Collegiate Honors Council, 2022.
- Cyrus Sarehraz, "The Urgent Need for Cross-Disciplinary Education in Business Management and Media Studies," Annual Meeting of the Virginias Collegiate Honors Council, 2022.
- Angie Wiederock, "Social Dissonance: Avoiding Calamity in the Music Industry Using Social Science," Annual Meeting of the Virginias Collegiate Honors Council, 2022.
- Michael Agren, "Effectiveness of Musical Collaboration: A Comparison of Remote and In-Person Relationships," Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2021.
- Alexander Dumouchelle, "Modern Music Software and Obstacles to Creativity," Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2021.
- Morgan Rhudy, "The Rise of Actionable Public Relations and the Fall of Humbugging: A Timeline," Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2021.

Grace Warren, "Integration of Core Values into Leadership Practices," Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2021.

Gabika Watson, "The Complex Environmental Problem Feedback Loop and Consumer Culture," Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2021.

Hope Young, "What is Authenticity? Preservation Efforts in Historic Homes and Sites," Mid-Atlantic Regional Conference for Undergraduate Scholarship, 2021.

Will Rodriguez, "Talent Isn't Everything," Annual Meeting of the Virginias Collegiate Honors Council, 2021.

Shukrana Shukrullah, "Korean Cover Song 'Celebrity' by IU," Annual Meeting of the Virginias Collegiate Honors Council, 2021.

Kelly Bradshaw, "Organizational Storytelling," Annual Meeting of the Virginias Collegiate Honors Council, 2021.

Sara Drozdowski, "The Role of French Horn in Orchestra," Annual Meeting of the Virginias Collegiate Honors Council, 2021.

Grace Gordon, "State-Sanctioned Compulsory Sterilization in Virginia," Annual Meeting of the Virginias Collegiate Honors Council, 2021.

Jonny Morris, "The Essential Question All Aspiring Leaders Must Ask," Annual Meeting of the Virginias Collegiate Honors Council, 2021.

William White, "The Power of Change and Music," Annual Meeting of the Virginias Collegiate Honors Council, 2021.

Kelly Bradshaw, "Organizational Storytelling Capability Model," Annual Meeting of the Virginias Collegiate Honors Council, 2021.

Sara Drozdowski, "Brunelleschi's Dome," Annual Meeting of the Virginias Collegiate Honors Council, 2021.

Grace Gordon, "How Did Eugenics Become So Quickly Accepted in America?" Annual Meeting of the Virginias Collegiate Honors Council, 2021.

Jonny Morris, "The Core Components of Leadership Development," Annual Meeting of the Virginias Collegiate Honors Council, 2021.

Shukrana Shukrullah, "Studying Music in the Digital Age," Annual Meeting of the Virginias Collegiate Honors Council, 2021.

William White, "Comparing and Contrasting the Music of the Soviet Era and Rap/Hip-Hop," Annual Meeting of the Virginias Collegiate Honors Council, 2021.

Sydney Inger, "Impacts of Intersectionality in the LGBTQIAP+ Community," Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Grace Bailey, “Implications of the Fourth Industrial Revolution on Democracy,” Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Miryeng Song, “Interdisciplinary Perspectives on Mental Health Disparities,” Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Diana Witt, “The ‘Science’ of Story Structure,” Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Olivia Duke, “Biophilia and the Art of Sustainable Living,” Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Sydney Inger, “Challenges Faced by LGBTQIAP+ Youth,” Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Jory Woods, “The Structure and Roles within a Political Campaign,” Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Erin Quinn, “Capitalism, Climate, and Conflict,” Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Diana Witt, “Storytelling: Writing for Stage, Screen, and Page,” Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Taylor Denny, “Soil Sciences in Anthropological Archaeology,” Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Jory Woods, “Campaign Crazy: A Look into Political Campaign Management and Communications,” Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Erin Quinn, “Economic Advancement vs. Human Progress,” Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Olivia Duke, “Biophilia in Everyday Life,” Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Taylor Denny, “Soiling the Name of Indiana Jones: Digging Deeper into the Science of Archaeology,” Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Grace Bailey, “Is the Right to Data Privacy Considered a Human Right?” Annual Meeting of the Virginias Collegiate Honors Council, 2020.

Sophia Cabana, “A Bridge between Earth and Sky,” Annual Meeting of the Virginias Collegiate Honors Council, 2019.

Willis Landon, “Sasha: Self-Exploration and Storytelling through Live Hip-Hop,” Annual Meeting of the Virginias Collegiate Honors Council, 2019.

Nina Schenk, “Rewriting the Curriculum for Honors Teaching Assistants,” Annual Meeting of the Virginias Collegiate Honors Council, 2019.

Alexis Schneider, "Gender Disparity in STEM," Annual Meeting of the Virginias Collegiate Honors Council, 2019.

Irene Song, "Biopsychosocial Approaches to Mental Health," Annual Meeting of the Virginias Collegiate Honors Council, 2019.

Kristen Connors, "Biomedical Illustration and Barriers to Public Access to Health and Wellness Knowledge," Annual Meeting of the Southern Regional Honors Council/Virginias Collegiate Honors Council, 2018.

Elizabeth Elia, "Education Accessibility and Advocacy," Annual Meeting of the Southern Regional Honors Council/Virginias Collegiate Honors Council, 2018.

Sierra Orr, "Learning Compassion through the Performing Arts," Annual Meeting of the Southern Regional Honors Council/Virginias Collegiate Honors Council, 2018.

Andrew Parr, "The Role of Government in Healthcare," Annual Meeting of the Southern Regional Honors Council/Virginias Collegiate Honors Council, 2018.

Leilani Porter, "How to Make Good Decisions," Annual Meeting of the Southern Regional Honors Council/Virginias Collegiate Honors Council, 2018.

Kristen Connors, "Using Biomedical Illustrations to Bridge the Gap between the Health of Caucasians and Minorities in the US," Annual Meeting of the Southern Regional Honors Council/Virginias Collegiate Honors Council, 2018.

Elizabeth Elia, "Education Inequality: Causes and Solutions," Annual Meeting of the Southern Regional Honors Council/Virginias Collegiate Honors Council, 2018.

Sierra Orr, "Learning Compassion through the Performing Arts," Annual Meeting of the Southern Regional Honors Council/Virginias Collegiate Honors Council, 2018.

Andrew Parr, "Writing a Healthcare Bill," Annual Meeting of the Southern Regional Honors Council/Virginias Collegiate Honors Council, 2018.

Leilani Porter, "Indecision is a Decision," Annual Meeting of the Southern Regional Honors Council/Virginias Collegiate Honors Council, 2018.

Navya Dev, "Ethical Implications of Artificial Intelligence," Annual Meeting of the Virginias Collegiate Honors Council, 2017.

Madeline Mojallali, "That's Not My Story," Annual Meeting of the Virginias Collegiate Honors Council, 2017.

Catherine Pierce, "The Importance of Design in Carrying Forward a Society," Annual Meeting of the Virginias Collegiate Honors Council, 2017.

Madison Schultz, "A Critical History of Social Justice Photography," Annual Meeting of the Virginias Collegiate Honors Council, 2017.

- Devin Boehmer, "Issues Facing Honors Councils across Colleges and Universities," Annual Meeting of the Southern Regional Honors Council, 2017.
- Elizabeth Brannon, Devin Boehmer, and Matthew Reed, "Creating and Restructuring a Leadership Council," Annual Meeting of the Southern Regional Honors Council, 2017.
- Navya Dev, "Ethical Implications of Artificial Intelligence," Annual Meeting of the Southern Regional Honors Council, 2017.
- Madeline Mojallali, "That's Not My Story," Annual Meeting of the Southern Regional Honors Council, 2017.
- Catherine Pierce, "The Importance of Design in Carrying Forward a Society," Annual Meeting of the Southern Regional Honors Council, 2017.
- Madison Schultz, "A Critical History of Social Justice Photography," Annual Meeting of the Southern Regional Honors Council, 2017.
- Megan Dwyer, "Honors Students and the Superman Complex: Dealing with Mental Health and Substance Abuse in Honors Communities," Annual Meeting of the National Collegiate Honors Council, 2014.
- Dakota Gagliardi, "Honors Council Presidents: The Problems We Face and How We Solve Them," Annual Meeting of the Southern Regional Honors Council, 2014.
- Tabitha McCool, "The Search for Community: Integrating the Citizen-Scholar into the Public Square," Annual Meeting of the Southern Regional Honors Council, 2013.
- Ashley Cooper, "Who Needs the Human Element? A Projection of Technology's Increasing Presence in Education and Therapeutics," Annual Meeting of the Southern Regional Honors Council, 2011.
- Matthew Hankins, "Quantum Computing: The Future of Computation," Annual Meeting of the Southern Regional Honors Council, 2011.
- Alissa Sexton, "I'm Falling in Love with a Girl Made of Silicone (And She Isn't Heidi Montag!): Sex Technology and Its Effects on Human Connections," Annual Meeting of the Southern Regional Honors Council, 2011.
- Renee Smith, "Cyber Sex: Romancing Technology," Annual Meeting of the Southern Regional Honors Council, 2011.
- Kristin Weatherford, "Plausible Immortality: Transhuman Possibilities," Annual Meeting of the Southern Regional Honors Council, 2011.
- Amanda Allen, "Gender Styles in Online Academic Communities," The Art of Gender in Everyday Life Conference, 2008.
- Amanda Allen, "Communicating Online: What Your Students Need to Know," National Collegiate Honors Council Summer Workshop, 2007.

Honors and Independent Scholars Student Profiles

- “Songs of Grief and Growth: Connor Kreitzman ('24) Discovers His Unique Musical Voice by Blending Raw Emotion, Haunting Melodies and Transformative Storytelling,” *JMU News*, January 31, 2024, available online at <https://www.jmu.edu/news/independentscholars/2024/01-31-connor-kreitzman-profile.shtml>.
- “Thriving in the Influencer Economy: Jaeda Skye Cohen ('24) is Brewing Success as an Entrepreneur and Content Creator,” January 31, 2024, available online at <https://www.jmu.edu/news/independentscholars/2024/01-31-jaeda-cohen-profile.shtml>.
- “Reimagining Fashion: Anna Lee ('23) Pledges to Help Create a Sustainable Marketplace for Future Fashion and Design,” *JMU News*, May 10, 2023, available online at <https://www.jmu.edu/news/independentscholars/2023/05-10-anna-lee-profile.shtml>.
- “Interview: Will Rodriguez ('22) On His Path to Independence in the Music Industry,” *JMU News*, May 10, 2023, available online at <https://www.jmu.edu/news/independentscholars/2023/05-10-will-rodriguez-profile.shtml>.
- “Political Campaign Management and Communications: Jory Woods ('21) Launches Career in Virginia Politics,” *JMU News*, October 12, 2022, available online at <https://www.jmu.edu/news/independentscholars/2022/10-12-jory-woods-profile.shtml>.
- “Environmental, Social, and Governance Communications: Morgan Rhudy ('24) Helps Organizations and Brands Find their Voices,” *JMU News*, October 12, 2022, available online at <https://www.jmu.edu/news/independentscholars/2022/10-12-morgan-rhudy-profile.shtml>.
- “Applied Public History and Archaeology: Grace Gordon ('22) Develops Passion and Skills for Historic Preservation and Cultural Resource Management,” *JMU News*, August 9, 2022, available online at <https://www.jmu.edu/news/independentscholars/2022/08-09-grace-gordon-profile.shtml>.
- “Applied Public History and Archaeology: Grace Gordon ('22) Develops Passion and Skills for Historic Preservation and Cultural Resource Management,” *JMU News*, August 9, 2022, available online at <https://www.jmu.edu/news/independentscholars/2022/08-09-grace-gordon-profile.shtml>.
- “Health Disparities Research and Biotechnology: Simon Anderson ('22) Combines Advanced Physical Science and Competencies Necessary to Help People of Different Backgrounds, Capacities, and Beliefs,” *JMU News*, January 24, 2022, available online at <https://www.jmu.edu/news/independentscholars/2022/01-24-simon-anderson-profile.shtml>.
- “Understanding the Neurobiology of Trauma: Deaquan Nichols ('23) receives Gilman International Scholarship for Study at Oxford University,” *JMU News*, January 18, 2022, available online at <https://www.jmu.edu/news/independentscholars/2022/01-18-deaquan-nichols-profile.shtml>.
- “Inclusivity through Hip-Hop: Willis Landon ('20) Cultivates Self-Expression, Cooperation, and Life Skills in Young People with Community-Based Music Education,” *Madison*

- Magazine*, Fall 2021, available online at <https://issuu.com/jamesmadisonuniversity/docs/mm-fall21-issuu-2/s/13173628>.
- “Telling Native Stories: Corinne Martin (’23) Uplifts Indigenous Culture, History, and Narrative with Unique Independent Scholars Major,” *JMU News*, September 18, 2021, available online at <https://www.jmu.edu/news/independentscholars/2021/09-18-corinne-martin-profile.shtml>.
- “Shukrana Shukrullah (’24) Wins Three National Scholarship Awards: Independent Scholar Designs Major in Music Management and Production,” *JMU News*, September 18, 2021, available online at <https://www.jmu.edu/news/independentscholars/2021/09-18-shukrana-shukrulla-profile.shtml>.
- “Writer, Actress, Storyteller: Diana Witt (’22) Crafts Unique Major in Storytelling for Stage, Screen, and Page,” *JMU News*, August 19, 2021, available online at <https://www.jmu.edu/news/independentscholars/2021/08-19-diana-witt-profile.shtml>.
- “Each Person Seen, Every Voice Heard: Sierra Orr (’20) Teaches that, through Theatre and History, We Have the Power to Build a Better World,” *JMU News*, March 1, 2021, available online at <https://www.jmu.edu/news/independentscholars/2021/03-01-Sierra-Orr-profile.shtml>.
- “Rethinking Environmental Legislation: Independent Scholars Student Erin Quinn (’22) Pursues Major that Combines Interests in Environment, Politics, Economics, and Law,” *JMU News*, May 17, 2021, available online at <https://www.jmu.edu/news/independentscholars/2021/05-17-Quinn-Erin-profile.shtml>.
- “Dynamics of Social Movements: Junior Kearney Quillen Brings Together Interests in Collective Responsibility, Political Philosophy, and Economic Justice in Self-Designed Curriculum,” *JMU News*, February 16, 2021, available online at <https://www.jmu.edu/news/independentscholars/2021/02-16-Kearney-Quillen-profile.shtml>.
- “Nurturing Inclusive Communities through Hip Hop: Willis Landon (’20) Cultivates Self-Expression, Cooperation, and Life Skills in Young People with Community-Based Music Education,” *JMU News*, February 28, 2021, available online at <https://www.jmu.edu/news/independentscholars/2021/02-28-Willis-Landon-profile.shtml>.
- “Satisfying Deep Curiosities: Kristen Connors (’20) Uncovers the Wonders of Human Life, the Body, and Education,” *JMU News*, May 19, 2020, available online at <https://www.jmu.edu/news/independentscholars/2020/05-19-Kristen-Connors.shtml>.
- “Leveraging Passions to Create Meaningful Social Change: Visual Storyteller Madi Schultz (’20) is Excited by Creative Problem Solving, Good Design, and the Power of the Arts,” *JMU News*, May 7, 2020, available online at <https://www.jmu.edu/news/independentscholars/2020/05-07-Madi-Schultz.shtml>.
- “In Pursuit of Equitable Education: Elizabeth Elia (’20) Explores the Relationship between Learning, Social Justice, and Public Policy,” *JMU News*, May 5, 2020, available online at <https://www.jmu.edu/news/independentscholars/2020/05-05-Elizabeth-Elia.shtml>.

- “Expanding the Role of Sustainability Leadership: JMU Alumnus Destin Webb Plans ‘Big Change’ Initiatives in Energy, Peace Education, Corporate Compliance, and Government Affairs,” *JMU News*, August 30, 2019, available online at <https://www.jmu.edu/news/independentscholars/2019/08-30-Destin-webb-profile.shtml>.
- “Bridging the Gender Gap: Independent Scholar Alexis Schneider Addresses Disparities in STEM Education,” *JMU News*, August 20, 2019, available online at <https://www.jmu.edu/news/independentscholars/2019/08-20-alexis-schneider.shtml>.
- “Structure, Shelter, and a Way Out: Sydney Inger Brings Attention to the Plight of Homeless LGBTQIAP+ Youth,” *JMU News*, August 19, 2019, available online at <https://www.jmu.edu/news/independentscholars/2019/08-19-sydney-ingers-profile.shtml>.
- “Walking Her Own Path: Independent Scholar Sophia Cabana Cultivates Cross-Cultural Experience in Transformational Self-Designed Major,” *JMU News*, August 19, 2019, available online at <https://www.jmu.edu/news/independentscholars/2019/08-19-sophia-cabana.shtml>.
- “Infusing Nature in Interior Design: Junior Olivia Duke Combines Passions in Unique Major that Reimagines Living Spaces,” *JMU News*, August 19, 2019, available online at <https://www.jmu.edu/news/independentscholars/2019/08-19-olivia-duke.shtml>.
- “Maria Jones: Challenged but Not Derailed,” *JMU News*, January 27, 2017, available online at <https://www.jmu.edu/news/honors/2017/01-27-maria-jones-challenged-but-not-derailed.shtml>.
- “Elizabeth Brannon: A Call to Personal and Global Transformation,” *JMU Academic Affairs News*, November 2, 2016, available online at <http://www.jmu.edu/news/academic-affairs/2016/11/11-02-honors-lizzie-brannon-a-call-to-personal-and-global-transformation.shtml>.
- “Andrea Murchie: Sustainable Design for Service,” *JMU News*, April 25, 2016, available online at <https://www.jmu.edu/news/honors/2016/04-25-murchie-sustainable-design.shtml>.
- “Bradley Mason: Math and Physics for a New Economy,” *JMU Stories*, March 14, 2016, available online at <https://www.jmu.edu/news/honors/2016/03-14-mason-new-economy.shtml>.
- “Amanda Harner: Viewing Life through the Lens,” *JMU News*, February 19, 2016, available online at <https://www.jmu.edu/news/honors/2016/02-19-harner-lens.shtml>.
- “Maria Camila Restrepo Chavez: Access, Opportunity, Learning,” *JMU News*, January 29, 2016, available online at <https://www.jmu.edu/news/honors/2016/01-29-restrepo-chavez-opportunity.shtml>.
- “Hannah Pellegrino & Honors Class of 2017,” *JMU Stories*, November 11, 2013, available online at <http://www.jmu.edu/stories/honorsprog/2013/pellegrino-hannah-student-profile.shtml>.
- “Featured Alumna: Casey Gambill,” *Bear Ledger*, September 21, 2012, available online at <https://uca.edu/bearledger/2012/09/21/honors-college-news-14/>.

- “Featured Alumna: Beth Ann Estes,” *Bear Ledger*, September 21, 2012, available online at <https://uca.edu/bearledger/2012/09/21/honors-college-news-14/>.
- “Senior URGE Award: Jenny Knight – Environmental Science: Planning and Administration,” *Bear Ledger*, September 21, 2012, available online at <https://uca.edu/bearledger/2012/09/21/honors-college-news-14/>.
- “Featured Alumna: Matt Taylor,” *Bear Ledger*, May 14, 2012, available online at <https://uca.edu/bearledger/2012/05/14/honors-college-news-13/>.
- “Featured Student: Alisha Neblett,” *Bear Ledger*, May 14, 2012, available online at <https://uca.edu/bearledger/2012/05/14/honors-college-news-13/>.
- “Featured Student: Sara Bayles,” *Bear Ledger*, March 20, 2012, available online at <https://uca.edu/bearledger/2012/03/20/honors-college-news-12/>.
- “Featured Alumna: Lily Kuonen,” *Bear Ledger*, March 20, 2012, available online at <https://uca.edu/bearledger/2012/03/20/honors-college-news-12/>.
- “Featured Student: Destiny Davis,” *Bear Ledger*, February 29, 2012, available online at <https://uca.edu/bearledger/2012/02/29/honors-college-news-11/>.
- “Featured Alumna: Laci M. Rogers,” *Bear Ledger*, February 29, 2012, available online at <https://uca.edu/bearledger/2012/02/29/honors-college-news-11/>.
- “Featured Student: Wilson Alobuia,” *Bear Ledger*, January 26, 2012, available online at <https://uca.edu/bearledger/2012/01/26/honors-college-news-10/>.
- “Featured Alumna: Joanna Swirszcz,” *Bear Ledger*, January 26, 2012, available online at <https://uca.edu/bearledger/2012/01/26/honors-college-news-10/>.
- “Featured Student: Ben Maddox’s thesis “Rectoría y Reforma: The Asymmetrical Benefits of Neoliberal Reform in the Mexican Agricultural Sector,” *Bear Ledger*, December 20, 2011, available online at <https://uca.edu/bearledger/2011/12/20/honors-college-news-9/>.
- “Featured Alumna: Sarah Marsh has been named Assistant Professor of Mathematics at Oklahoma Baptist University in Shawnee,” *Bear Ledger*, December 20, 2011, available online at <https://uca.edu/bearledger/2011/12/20/honors-college-news-9/>.
- “¿Soy Doctora? An Alumni Communication from Miranda Broadney (Class of ’06),” *Bear Ledger*, November 23, 2011, available online at <https://uca.edu/bearledger/2011/11/23/honors-college-news-8/>.

Cataloged Research-Grade Oral Histories by Mentees

- David McMahon, Anheuser-Busch Distributor: An Oral History, April 28, 2011 (OH 26).
- Patricia Hoskins of Faulkner County Habitat for Humanity: An Oral History, April 28, 2011 (OH 22).
- Jimmy Pritchett, City of Little Rock Homeless Services Coordinator: An Oral History, April 24,

2011 (OH 27).

Jerry Adams: An Oral History on Alcohol and Economic Development, April 24, 2011 (OH 20).

Phil Brandon of Rock Town Distillery: An Oral History, April 20, 2011 (OH 24).

Georgia Mjartan, Our House Shelter Executive Director: An Oral History, April 15, 2011 (OH 29).

Ty Stacey and Rachel Hill, Our House Shelter Managers: An Oral History, April 15, 2011 (OH 25).

Anthony “Tony” Nahlen: An Oral History, April 14, 2011 (OH 30).

Mike Coats of Mike’s Place: An Oral History, April 11, 2011 (OH 28).

Jesse Melton, Diamond Bear Master Brewer: An Oral History, April 8, 2011 (OH 23).

Matthew Post of Post Familie Winery: An Oral History, March 30, 2011 (OH 31).

Drummer Bryan Blankenship of KickBack: An Oral History, March 30, 2011 (OH 34).

Jeff Clanton, Award-Winning Homebrewer: An Oral History, March 29, 2011 (OH 33).

Mike Byrum of Fermentables: An Oral History, March 29, 2011 (OH 32).

David Collins: An Oral History with Harding University’s Dean of Student Life, March 25, 2011 (OH 21).

Jimmy Moses, Downtown Little Rock Developer: An Oral History, May 29, 2008 (OH 16).

Bob Govar, Assistant U.S. Attorney: An Oral History, April 30, 2008 (OH 17).

Marci Robertson, Museum of Discovery Director of Collections: An Oral History, April 22, 2008 (OH 15).

Ellen "Nan" Plummer, Arkansas Arts Center Executive Director: An Oral History, April 21, 2008 (OH 12).

Sara Lenehan, Little Rock Finance Director: An Oral History, April 18, 2008, Little Rock, AR (OH 18).

Betty Wineland, Executive Director of CATA: An Oral History, April 1, 2008 (OH 11).

Bill Valentine, Arkansas Travelers General Manager: An Oral History, March 29, 2008 (OH 14).

Alison Hall, Arkansas Museum of Science & History Director: An Oral History, March 18, 2008 (OH 13).

Tyrone Lee, Conway pulmonologist, class interview, January 28, 2008, Conway, AR (OH 10).

Paul Harvel, Greater Little Rock Chamber of Commerce President, interviewed by Adam Lucas, May 12, 2006, Little Rock, AR (OH 7).

Cardiologist William C. Furlow: An Oral History, May 4, 2006 (OH 9).

Sharon Priest, Arkansas Secretary of State, interviewed by Ryan Morrow, April 24, 2006, Little Rock, AR (OH 6).

David Williams, Clinton Presidential Library docent, interviewed by James Hyde, April 8, 2006, Little Rock, AR (OH 3).

Nan Selz, executive director of the Arkansas Museum of Discovery, interviewed by Courtney Bennett, April 5, 2006, Little Rock, AR (OH 1).

Eugene Pfeifer III, owner of Mechanics Lumber Company, April 4, 2006, Little Rock, AR (OH 2).

David Itkin, conductor of the Arkansas Symphony Orchestra, interviewed by Ben Dobbs, March 21, 2006, Little Rock, AR (OH 4).

William C. Furlow, Conway internist, class interview, January 26, 2006, Conway, AR (OH 5).

PROFESSIONAL DISTINCTIONS AND MEMBERSHIPS

Distinctions

Alpha Chi (academic), Wartburg College, 1991.
Delta Mu Delta (business and economics), Wartburg College, 1990.
Roswell and Elizabeth Garst Fellow (dissertation research), Iowa State University, 1997, 1998.
Isabel Matterson Prize (twice for writing), Iowa State University, 1994, 1996.
JMU Women's Lacrosse Most Valuable Professor, 2023
Matterson Prize for "Variolation and Vaccination in the Old South," 1994
Matterson Prize for "The Plans and Purposes of the AMA Section on State Medicine," 1996.
Meistersinger Scholar (vocal performance), Wartburg College, 1987–1991.
Karl H. Moe History Scholar, Wartburg College, 1988.
Gerhard Sigmund Ottersberg History Scholar, Wartburg College, 1989.
Phi Alpha Theta (history), Iowa State University, 1996.
Phi Kappa Phi (academic, decl.), Iowa State University, 1995.
Vice President & President, Wartburg Choir, Wartburg College, 1989–1991.
Regent's Scholar (academic), Wartburg College, 1987–1991.
University of Minnesota (post-doctoral fellow), 2000–2003.
University of Nebraska-Lincoln (fellowship assistant), 1991.

Past and Present (*) Professional Society Membership

American Association for the History of Medicine
American Association of Colleges and Universities*
American Association of University Professors*
American Historical Association
Associates of the Charles Babbage Institute*

Association for Computing Machinery*
Computing Research Association*
Council on Undergraduate Research*
Friends of the North Fork of the Shenandoah River*
History of Medicine Associates
History of Science Society
Individualized Major Program Network*
Iowa Council for the Social Studies
Midwest Junto for the History of Science
National Center for Faculty Development & Diversity*
National Collegiate Honors Council*
Oral History Association
Organization of American Historians
Phi Alpha Theta*
Society for Ethics Across the Curriculum*
Society for the History of Technology
Solarize Shenandoah
Southern Regional Honors Council*
Veterinary History Society
Virginias Collegiate Honors Council*
Woodstock Tree Board