

ELIZABETH ASHLEY REA

ashley.rea@erau.edu; 214.226.8233; ashleyrea.com

ACADEMIC APPOINTMENT

2021 Assistant Professor of Rhetoric and Composition
Director of the Writing and Design Lab
Department of Humanities and Communication
Embry-Riddle Aeronautical University, Prescott, AZ

EDUCATION

- 2021 Ph.D. in English: Rhetoric & Composition
Penn State University, University Park, PA
Dissertation: *Programming Women: Rhetorical Education, Literacy, and Coding*
Committee: Debra Hawhee (co-chair), Stuart Selber (co-chair), Cheryl Glenn, and Suresh Canagarajah
- 2017 M.A. in English: Rhetoric & Composition
Florida State University, Tallahassee, Florida
Certificate in Editing & Publishing
Thesis: *Radio Rhetor: The Rhetorical Practices of Mary Margaret McBride*
Committee: Kristie Fleckenstein, Kathleen Yancey, and Tarez Graban
- 2015 B.A. in English & Economics
Texas Christian University, Fort Worth, Texas
Summa Cum Laude, Departmental Honors, University Honors
Thesis: *Defining the Digitally Networked Sharing Economy*
Committee: Jason Helms, Rob Garnett, and Dan Williams

RESEARCH INTERESTS

Software engineering education, artificial intelligence, and coding literacy; science and healthcare communication; educational equity in STEM; user experience and qualitative research methods.

PUBLICATIONS

Journal Articles

- Rea, A. & Balghare, A. (2024). Cultivating Empathetic Design through UX Pedagogy: Challenges and Insights. *Communication Design Quarterly*, 12(3), 5-19.
- Rea, A., Chesley, A., & Zhang, T. (2023). Leveraging Participatory Design and User Experience Methods to Collaboratively Envision an Inclusive, User-centered Writing and Design Lab. *Programmatic Perspectives*, 14(1), 46-87.
- Rea, A. (2022). Coding Equity: Social Justice and Computer Programming Education. *IEEE Transactions on Professional Communication*, 36(2), 87-103.

Rea, A. (2021). "Changing the Face of Technology": Storytelling Practice in Activist Coding Organizations. *Technical Communication*, 68(4), 26-39.

Peer-Reviewed Conference Proceedings

Adams, J., Rea, A., Roth, B., Robertson, K., Talko, T., Davis, C., & Hobbs, T. (2024). Understanding Infrastructural Rhetorical Methods to Improve Communication Outcomes for Women in Engineering. *Proceedings of the 2024 ASEE Annual Conference*.

Rea, A., Adams, J., Ali, H., & Robertson, K. (2023). Fostering Educational Equity in Engineering. *Proceedings of the 2023 ASEE Annual Conference*.

Book Chapters

Velez, M., Rister, A., Rea, A., and Branham, C. Lending Our Voices: The Role of Writing Center Leadership in Academic Conversations about AI. Chapter accepted for *Writing Centers and AI: Generating Early Conversations*, eds. Buck, E. & Botvin, J.

Marta Messina, C., Ranade, N., & Rea, A. A Feminist Code Heuristic. *Feminist Design Rhetorics*, eds. Ravel, K., Sullivan, R., & Prins, K. Chapter accepted, manuscript under review for *WAC Clearinghouse Press*.

Rea, A. Feminist Platforms & Feminine Practices: Mary Margaret McBride's Radio Rhetoric, chapter accepted for *Widening the View: Essays on Feminist Historiography, Ephemeral Archives, and Rhetorical Education*, ed. Burgess, J.

Works in Progress

Balghare, A., Campbell, J., Nouri, M., and Rea, A. "Investigating user empowerment through the menstrual tracking app Glow." Under review at *Technical Communication Quarterly*.

GRANTS AND FELLOWSHIPS

Research Grants and Fellowships

- 2024 Arizona NASA Space Consortium Grant—PI with Fiya Clerget, Chanel Davis, and Taylor Hobbs (\$7,840)
- 2024 ERAU Collaborative Grant—PI with Sandy Branham, Alex Rister, Meghan Velez (\$20,000)
- 2023 Arizona NASA Space Grant Consortium Grant —PI with Jon Adams, Katrina Robertson, Chanel Davis, Taylor Hobbs, & Trey Talko (\$3,000)
- 2023 Faculty Summer Initiative Research Grant—PI on UX study with Tianxin Zhang (\$4,862)
- 2023 Faculty Summer Initiative Research Grant—Co-PI on equity study with Jon Adams (\$4,832)
- 2023 Undergraduate Research Initiative Grant—Co-PI with Jon Adams and Trey Talko (\$850)
- 2022 Arizona NASA Space Grant Consortium Grant —Co-PI with Jon Adams and Katrina Robertson (\$2,150)
- 2021 Undergraduate Research Initiative Grant with Marcos Osuna and Clarissa Winks (\$2,000)
- 2020 Center for Humanities and Information Predoctoral Fellowship and Research Grant (\$31,000)
- 2019 Phillips Centennial Graduate Endowment Research Grant (\$500)
- 2019 PSU RGSO Dissertation Research Funding Grant (\$1,000)

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- 2019 Welch Graduate Student Award for Dissertation Support (\$500)
- 2019 English Graduate Organization Travel Grant (\$100)
- 2018 Spanish Language Intensive Summer Tuition Assistance Grant (\$6,000)
- 2017 PSU Enhanced Graduate Scholar Fellowship (\$28,000)

Teaching Grants

- 2023 Center for Teaching and Learning Excellence Fellow (\$3,500)
- 2020 Program in Writing and Rhetoric Teaching Mentoring Support (\$200)

INVITED TALKS

- 2024 “Undergraduate Research Mentoring: Encouraging Research Excellence.” Co-led workshop with Dr. Jon Adams. Mississippi University for Women, Columbus, MS
- 2023 “Inclusive Mentoring: Empowering Student Potential.” Co-led workshop with Dr. Jon Adams. Research Mentor Network (Hosted by California Polytechnic University & Occidental College)
- 2023 “Equity & Computer Programming Education.”
Osaka Metropolitan University, Osaka, Japan

CONFERENCE PRESENTATIONS

- 2024 “Enhancing Writing Center Technologies: A User Experience Study Across Multiple Campuses.” International Writing Center Association Conference, Online.
- 2024 “Feminist Coding Literacy in the Age of Generative AI.”
Special Interest Group for Design of Communication Conference, Washington, D.C.
- 2024 “Participatory Design, Educational Equity, & Undergraduate Research Mentoring.”
National Conference on Undergraduate Research, Long Beach, CA
- 2024 “Digital Praxis Poster: UX Tools for Qualitative Writing Studies Research.”
Conference on College Composition & Communication, Spokane, WA
- 2023 “From Stakeholders to Designers: Insights from a Participatory Design Study.”
Special Interest Group for Design of Communication Conference, Orlando, FL
- 2023 “Becoming an Agent of Change: Marginalization and Equity in STEM Writing Contexts.”
Feminisms & Rhetorics Conference, Atlanta, GA
- 2023 “Hope is a QEP? A Roundtable on Institutional Change.”
Conference on College Composition and Communication, Chicago, IL
- 2022 “Engineering Equity: Fostering Inclusive STEM Education at ERAU-Prescott.”
Special Interest Group for Design of Communication Conference, Boston, MA
- 2022 “Centering Feminist Praxis in Coding Literacies, Rhetoric, and Pedagogy.”
Conference on College Composition and Communication, Chicago, IL

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- 2021 “Recoding Writing: Programming Women and Coding Literacy Education.”*
Conference on College Composition and Communication, Spokane, WA
*accepted but cancelled due to COVID-19 pandemic
- 2020 “Gendered Ecologies of Programming Education.”*
Conference on College Composition and Communication, Milwaukee, WI
*accepted but cancelled due to COVID-19 pandemic
- 2020 “Programming Women: Platform Labor and Rhetorical Education.”
Algorithms for Her? Conference, London, England
- 2019 “Transnational Feminism and the Rhetoric of Women’s Coding Literacy Movements.”
Feminisms and Rhetorics Conference, Harrisonburg, VA
- 2019 “Radio Rhetoric: Mary Margaret McBride and Archival Listening.”
International Society for the History of Rhetoric Conference, New Orleans, LA
- 2019 “Power and Performance in Translingual Academic Writing.” (Respondent)
Conference on College Composition and Communication, Pittsburgh, PA
- 2019 “Counter-Performance in the Archives.”
Conference on College Composition and Communication, Pittsburgh, PA
- 2018 “Toward an Ethics of Haptic Technology.”
Assembly for Expanded Perspectives on Learning, Estes Park, Colorado
- 2017 “Invoking the Body: Touch and Making Meaning.”
Feminisms and Rhetorics Conference, Dayton, OH
- 2017 “Contemplative Writing & Digital Composition.”
Assembly for Expanded Perspectives on Learning Conference, Estes Park, CO
- 2017 “Cultivating an Ear for Difference: Listening as Sonic Archival Practice.”
Conference on College Composition and Communication, Portland, OR
- 2016 “What It Means to Compose for the Web.”
Computers and Writing Conference, Rochester, NY
- 2016 “Digital Contemplative Composition: A Feminist Approach to Inquiry.”
Conference on College Composition and Communication, Houston, TX
- 2014 “Attention Economics in Online Sharing Communities.”
Add-Ran College Research Festival, Fort Worth, TX

ERAU PRESENTATIONS & WORKSHOPS

- 2024 “Study Abroad Experience Resume Workshop.” Workshop offered in conjunction with the Center for International Programs and Services. Prescott, AZ.

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- 2024 “Eportfolio Design.” Workshop offered in conjunction with the Writing Matters QEP. Prescott, AZ.
- 2024 “Narrative Design for Video Games.” Presentation for ERAU Computer Rendering Art & Design Club. Prescott, AZ.
- 2024 “Synthesizing Research Sources & Citation Styles Introduction.” Two workshops for Dr. Nishanthi Ellepola’s biology and organic chemistry classes. Prescott, AZ.
- 2024 “Writing in the Humanities.” Presentation for Dr. Caroline Koons’ Ethics and Values class. Prescott, AZ.
- 2024 “Revision Writing Strategies.” Two workshops for Dr. Caroline Koon’s Speech Communication classes. Prescott, AZ.
- 2024 “Revision Strategies for Video Game Narratives.” Two workshops for Dr. Phil Chauveau’s Video Games as Rhetorical Texts classes. Prescott, AZ.
- 2024 “Multimodal Writing Strategies.” Four workshops for Prof. Amberly Neese’s English Composition classes. Prescott, AZ.
- 2024 “Design Thinking and UX Pedagogy: Challenges and Insights.” Presentation given for ERAU’s Center for Teaching and Learning Excellence Fellowship program.
- 2023 “Boren Scholarship Personal Statement Workshop.” Workshop offered in conjunction with the Office of Prestigious Fellowships & Grants. Online format for students Daytona Beach, Prescott, and Worldwide.
- 2023 “Department of Defense SMART Scholar Personal Statement Workshop.” Workshop offered in conjunction with the Office of Prestigious Fellowships & Grants. Online format for students in Daytona Beach, Prescott, and Worldwide.
- 2023 “Goldwater Scholar Research Statement Workshop.” Workshop offered in conjunction with the Office of Prestigious Fellowships & Grants. Online format for students in Daytona Beach, Prescott, and Worldwide.
- 2023 “Grant Proposal Development Workshops.” Two workshops offered in conjunction with Undergraduate Research Institute and Hazy Library. Prescott, AZ.
- 2023 “Fostering Educational Equity in Introductory Engineering Courses.” Poster presentation given with student Katrina Robertson as part of ERAU’s Teaching and Learning Showcase. Prescott, AZ.
- 2023 “URI Proposal Development Workshop.” Co-led workshop with Dr. Lisa Davis offered in conjunction with Undergraduate Research Institute and Hazy Library. Prescott, AZ.

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- 2022 “Goldwater Scholar Research Statement Workshop.” (October 2022). Workshop offered in conjunction with the Office of Prestigious Fellowships & Grants. Online format for students in Daytona Beach, Prescott, and Worldwide.
- 2022 “Literature Reviews, Simplified.” Workshop offered in conjunction with Hazy Library. Prescott, AZ.
- 2022 “Infusing Research in the Curriculum.” Co-led workshop with Dr. Amelia Chesley and Dr. Anne Boettcher. Prescott, AZ.
- 2022 “Strategies for Inclusive Syllabi Design.” Poster presentation given with Drs. Angelynn Alvarez, Mitch Hamidi, and Matt Pavlina as part of ERAU’s Teaching and Learning Showcase. Prescott, AZ.
- 2022 “Tech Training: Teaching with Adobe Creative Suite.” Co-led workshop with Dr. Erin Cromer-Twal. Prescott, AZ.

AWARDS AND HONORS

- 2024 Faculty Marshall for the College of Arts & Sciences
- 2024 Teaching Excellence Award Nominee
- 2023 Service Excellence Award Nominee
- 2023 Staff Person of the Year Nominee
- 2023 OER Textbook Champion Nominee
- 2017 Outstanding Teaching Assistant Nominee (department nominee for university-wide award)
- 2016 Excellence in Teaching Composition Nominee (nominated for digital studio consulting)
- 2015 Margaret Rose-Marek Multimedia Writing Award Honorable Mention
- 2015 The Lilla Thomas Award for an Interpretive or Critical Essay on Feminist Writers and Issues
- 2015 Economics Department Senior Scholar & Lane Smutz Economics Award
- 2014 TCU Mission Statement Scholarship Finalist
- 2014 Phi Beta Kappa
- 2012 TCU Scholar
- 2010 TCU Dean’s Scholarship

TEACHING EXPERIENCE

Embry-Riddle Aeronautical University

Average student-instructor interaction rating in student evaluations: 4.85 (out of 5)

- AI Rhetorics, 2025 (2 sections)
- Cross-Cultural Technical Communication, 2024 (1 section*)
- Digital Media Storytelling, 2024 (1 section)
- Culture, History, and Language, 2023 (1 section*)
- User Experience (UX) Writing, 2023 (3 sections)
- Digital Publics and Rhetorical Theory, 2022-2024 (3 sections)
- The Rhetoric of Social Justice Movements, 2022 (1 section)
- Technical Report Writing, 2021-2025 (6 sections)
- Composition, 2021-24 (9 sections)

*Study abroad course offered in conjunction with Osaka Metropolitan University in Osaka, Japan

Penn State University

Average overall instructor rating in student evaluations: 6.62 (out of 7)

Composition Pedagogy, 2020 (1 section, co-taught graduate-level course)

Technical Writing, 2020 (1 section, hybrid in-person and online)

Rhetoric and Composition, 2018-2019 (3 sections, 1 online)

British Literature from 1798, 2019 (1 section, stepped in after instructor's medical leave)

Florida State University

Average overall instructor rating in student evaluations: 4.79 (out of 5)

Research, Genre, and Context, 2016-2017 (4 sections)

Upward Bound

Critical Reading and Writing, 2018 (1 section)

Mid-State Literacy Council

Academic Writing, 2021 (1 section)

Everyday Writing, 2020 (1 section)

Advanced English Conversation, 2019 (1 section)

English Conversation, 2018 (1 section)

ADMINISTRATIVE EXPERIENCE

Embry-Riddle Aeronautical University

Writing & Design Lab Director, 2021-Present

Chaired planning committee for ERAU's inaugural writing center; designed and implemented multi-year user experience participatory design study and experiential learning project; prototyped and user-tested online interface; developed training materials for new tutors and writing center procedures and policies; managed team of 10 tutors; collaborated with tutors and stakeholders on strategic plan, content strategy, and equity-focused assessment.

Penn State University

Program in Writing and Rhetoric Graduate Assistant, 2019-2020

Organized and led the fall orientation; co-taught semester-long course on composition theory and pedagogy for new graduate instructors and teaching faculty; handled transition to online pedagogy for new instructors in the spring 2020 semester; managed program undergraduate interns; published annual compilation of student writing used in every first-year writing course and built its digital companion for multimodal work; and ran grade appeal process.

Texas Christian University

Faculty Assistant, 2013-2015

Served as an intern at the TCU Press; assisted with acquisitions; copy-edited and helped revise works for publication; conducted archival research and created class materials.

DIGITAL STUDIO EXPERIENCE

Penn State University

Digital Studio Consultant, 2019-2020

Revised distance education courses; worked to complete departmental instructional design goals; assisted with the department transition to online pedagogy following the COVID-19 pandemic; and completed professional development in online pedagogy.

Florida State University

Digital Studio Consultant, 2015-2017

Led workshops on genre, visual rhetoric, and digital composing technologies for students and campus groups; worked with students and faculty to achieve their technology goals; and created programming for university-wide writing and multimodal composition initiatives.

WRITING CENTER & TUTORING EXPERIENCE

Penn State University

Writing Center Tutor, 2018-2019

Florida State University

Reading and Writing Center Tutor, 2015-2016

Texas Christian University

Economics Department Tutor, 2013-2015

PROFESSIONAL DEVELOPMENT

Embry-Riddle Faculty/Staff Learning Communities

Diversity, Equity, and Inclusion (Josh Caulkins), and Gender Equity and Data Bias (Anastasia Fynn), Embry-Riddle Aeronautical University, 2021-Present.

Association for Teachers of Technical Writing (ATTW) Conference Participant, 2023

Rhetoric Society of America Summer Institute Seminar and Workshop

Rhetoric, Culture, and Technology (Adam J. Banks and Damien Smith Pfister) and Digital Exclusions (Casey Boyle, Jim Brown, and Jennifer Sano-Franchini), Syracuse University, 2021.

Penn State English Department Mentoring Program

Antiracism: Activism and Pedagogy (Tina Chen and Simmy Makhijani), Penn State University, 2020.

Rhetoric Society of America Summer Institute Workshop

Race and Digital Rhetoric (Catherine Knight Steele and James Brown Jr.), University of Maryland, 2019.

Conference on College Composition and Communication Workshop

Performing Antiracist Practices at the Writing Program, Departmental, and Institutional Levels and Beyond: Combating Linguistic Racism (Isabel Baca, David Green, Austin Jackson, Kim Brian Lovejoy, Rashidah Muhammad, and Elaine Richardson), Pittsburgh, 2019.

SERVICE

Disciplinary Service

REA CV

Special Interest Group on Design of Communication Conference Reviewer
IEEE Transactions in Professional Communication Reviewer
CPTSC Conference Reviewer
Special Interest Group on Writing and Reading of Code (SICWROC) At Large Member
Arizona NASA Space Grant Consortium Conference Moderator

University Service

ERAU AI Taskforce, 2024
ERAU Catholic Community Faculty Sponsor, 2024
ERAU Phi Beta Delta International Honor Society Faculty Sponsor, 2023-2024
ERAU First Year Experience Redesign Committee, 2024
ERAU Writing Matters QEP Eportfolio Committee, 2024
ERAU Writing Matters QEP Equity Committee, 2021-2024
ERAU Writing Matters QEP Academic Support Committee, 2022-2024
ERAU Hazy Library Open Educational Resource Review Committee, 2022
ERAU Aerospace Engineering Search Committee, 2021-2022
PSU Graduate Alliance for Diversity and Inclusion (Education Chair), 2020-2021

Departmental Service

ERAU Rhetoric and Composition Search Committee Chair, 2022-2023
ERAU Engineering Writing Search Committee, 2022-2024
ERAU Professional Writing Search Committee, 2021-2024
ERAU Pre-Tenure Faculty Horizontal Mentoring Group Mentor, 2023-2024
ERAU APE Research Committee, 2021-2020
PSU Program in Writing and Rhetoric Teaching Mentor, 2020-2021
PSU Mentoring Program Mentor & Cohort Coordinator, 2018-2020
PSU Arnold-Ebbitt Interdisciplinary Rhetoricians Technology Coordinator, 2018-2019
PSU English Graduate Organization Webmaster, 2018-2019
FSU Reading Writing Center and Digital Studio Committee, 2016-2017
FSU College Composition Committee, 2016-2017

Community Literacy Engagement

Prescott Valley Library Adult Literacy Group Webmaster & Tutor, 2022-2024
Mid-State Literacy Intermediate and Advanced English Teacher, 2017-2021
Migration Studies Project, 2017-2021
Global Connections Conversation Partner, 2017-2021
Literacy Volunteers of Leon County ESOL Tutor, 2017
Grace Mission Middle School Reading Tutor, 2017
Catholic Charities English Tutor, 2014-2015

PROFESSIONAL AFFILIATIONS

Conference on College Composition and Communication
Association of Teachers in Technical Writing
Women in Technical Communication
Coalition of Feminist Scholars in the History of Rhetoric and Composition
International Writing Center Association

TECHNICAL SKILLS

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Proficient in: Adobe Creative Suite, Audacity, HTML, CSS, JavaScript, Figma, Dovetail, Dedoose, NVivo, Qualtrics, Lookback, Microsoft Office
Completed training in: Golang, Python, R, SPSS

LANGUAGES

Spanish (beginner spoken and intermediate written, working towards proficiency)

RELEVANT GRADUATE COURSEWORK

Professional Writing (Stuart Selber)
Ethnic Rhetorics (Keith Gilyard)
Feminist Rhetorics (Cheryl Glenn)
Language Socialization Across Contexts (Suresh Canagarajah)
Rhetorics and Technologies (Stuart Selber)
Platform, Software, and Code Studies (Brian Lennon)
Rhetoric's Sensorium (Debra Hawhee)
Rhetoric, Archives, Information (Pamela VanHaitsma)
Theories of Rhetoric and Composition (Suresh Canagarajah)
Histories and Historiographies of Rhetoric (Cheryl Glenn)
Research Methods in Writing Studies (Michael Neal)
Embodied Rhetorics (Kristie Fleckenstein)
Digital Revolutions & Convergence Culture (Kathleen Yancey)
Global Rhetorics (Tarez Graban)
Writing Center Theory and Practice (Stephen McElroy)
Composition Theory (Kathleen Yancey)
Rhetorical Theory (Kristie Fleckenstein)
Rhetoric & Poetics (Ann George)
Digital Rhetorics (Jason Helms)

Teaching Practicum: Technical Writing (Stuart Selber)
Teaching Practicum: Online Teaching (Dan Tripp)
Teaching Practicum: Rhetoric and Composition (Cheryl Glenn and Gregg Rogers)
Teaching Practicum: Writing Center Theory (Beth Parfitt)
Teaching Practicum: Research Writing (Deborah Coxwell-Teague)

REFERENCES

Lisa Davis

Associate Professor of Humanities and Communication
Embry-Riddle Aeronautical University
3700 Willow Creek Road
Prescott, AZ 86310
davise17@erau.edu | (928) 777-6684

Debra Hawhee

McCourtney Professor of Civic Deliberation
Professor of English & Communication Arts and Sciences
Penn State University
430 Burrowes Building
University Park, PA 16801
hawhee@psu.edu | (814) 863-8678

Stuart Selber

Associate Professor of English
Affiliate Professor of Information Sciences and Technology
Penn State University
430 Burrowes Building
University Park, PA 16801
selber@psu.edu | (814) 863-8032

Jon Adams

Assistant Professor of Rhetoric and Composition
Writing Program Administrator
United States Military Academy West Point
606 Thayer Road
West Point, NY 10966
jonathan.adams@westpoint.edu | (307) 287-0185