

ADAM J. BARNAS**ACADEMIC APPOINTMENTS**

- Aug 2025-Present **Assistant Professor**
Department of Psychological Science
Ball State University (Muncie, IN)
- Mar 2021-Aug 2025 **Postdoctoral Associate**
Department of Psychology
University of Florida (Gainesville, FL)
Mentors: Steven Weisberg and Natalie Ebner
- Dec 2019-Jan 2021 **Postdoctoral Research Associate**
Department of Psychology
University of Wisconsin-Madison (Madison, WI)
Mentor: Emily Ward

EDUCATION AND TRAINING

- 2019 **Ph.D., Experimental Psychology – Cognitive Neuroscience**
University of Wisconsin-Milwaukee (Milwaukee, WI)
Dissertation: *Reexamining object-based visual attention: Understanding the nature of direction-dependent attention shifts*
Advisor: Adam Greenberg
Committee: Deborah Hannula, Christine Larson, Wendy Huddleston, and Edgar DeYoe
- 2014 **M.A., General Psychology**
University of Dayton (Dayton, OH)
Thesis: *Emotional responses evoked by paintings and classical music in artists, musicians, and non-experts*
Advisor: Susan Davis
Committee: Benjamin Kunz, Ronald Katsuyama, and Gregory Elvers
- 2011 **B.S., Psychology; Molecular & Cellular Biology**
Minor: Chemistry
University of Illinois at Urbana-Champaign (Urbana, IL)

AWARDS, HONORS, AND FELLOWSHIPS

- 2025 Travel Award, SRNDNA Daily Life Sampling Workshop, Scientific Research Network on Decision Neuroscience & Aging
- 2023 Center for Vital Longevity Sallie P. Asche Travel Award, Dallas Aging & Cognition Conference
- 2022 National Eye Institute Early Career Scientist Travel Award, Vision Sciences Society
- 2020 McPherson Eye Research Institute COVID Trainee Assistance, University of Wisconsin-Madison
- 2019 R1 Distinguished Dissertator Fellowship, University of Wisconsin-Milwaukee
- 2018 Graduate Student Excellence Fellowship, University of Wisconsin-Milwaukee
- 2017 Travel Award, The Workshop on Object Perception, Attention, and Memory
- 2015 Graduate Student Summer Research Fellowship, University of Wisconsin-Milwaukee
- 2013 Graduate Student Summer Fellowship, University of Dayton
- 2012 Graduate Student Summer Fellowship, University of Dayton
- 2011 Honorary Senior 100, University of Illinois
- 2011 Dean's List, University of Illinois

GRANTS AND FUNDING

Funded

- 2024 **Scientific Research Network on Decision Neuroscience and Aging Pilot Grant**, University of Texas at Dallas (NIH/NIA 1R24AG076847; \$24,000)
Exploring risk tolerance and decision-making across contexts: Implications for healthy cognitive aging and Alzheimer's disease.
Role: **Co-I** (PI: Eliany Perez, Co-PI: Steven Weisberg)
- 2022-2024 **Ed and Ethel Moore Alzheimer's Disease Research Program Postdoctoral Fellowship**, Florida Department of Health (FDOH 22A12; \$100,000)
Novel behavioral and neural markers of Alzheimer's disease progression: A case for visual orienting.
Role: **PI** (Mentors: Dawn Bowers, Natalie Ebner, Steven Weisberg)

Submitted and not funded

- Not funded **Ed and Ethel Moore Alzheimer's Disease Research Program**, Florida Department of Health (40037; \$348,298)
Supporting and enhancing wayfinding in aging and Alzheimer's disease.
Role: **Co-I** (PI: Steven Weisberg)
- Not funded **Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship (Parent F32)**, National Institutes of Health (NIH/NIA 1F32AG092070-01; \$149,824)
Visual attentional mechanisms of navigation and walking deficits in aging and ADRD: A cognitive neuroscience approach.
Role: **PI** (Mentors: Julia Choi, Natalie Ebner, Steven Weisberg)

PUBLICATIONS

Published or in press

- Hughes, D. J., **Barnas, A. J.**, & Greenberg, A. S. (2025). Anisotropic object-based shifts of attention arise from unequal influences of visual field meridians on neural attention gradients. *Journal of Neurophysiology*, 134, 504-516. doi:10.1152/jn.00554.2024 [\[link\]](#)
- Barnas, A. J.**, Kunath, J., Perez, E., Boogaart, Z., Bowers, D., Ebner, N. C., & Weisberg, S. M. (2025). Spatial navigation strategy in older adults: Preference or ability? *Psychology and Aging*, 40, 462-478. doi:10.1037/pag0000896 [\[link\]](#)
- Barnas, A. J.**, & Greenberg, A. S. (2024). The object-based shift direction anisotropy is modulated by the horizontal visual field meridian. *Quarterly Journal of Experimental Psychology*, 77, 2516-2532. doi:10.1177/17470218241230988 [\[link\]](#)
- Barnas, A. J.**, Ebner, N. C., & Weisberg, S. M. (2024). Allocation of space-based attention is guided by efficient comprehension of spatial direction. *Journal of Cognition*, 7, 1-23. doi:10.5334/joc.325 [\[link\]](#)
- Barnas, A. J.**, & Ward, E. J. (2022). Meta-cognitive judgments of change detection predict change blindness. *Cognition*, 227, 1-13. doi:10.1016/j.cognition.2022.105208 [\[link\]](#)
- Barnas, A. J.**, & Greenberg, A. S. (2019). Object-based attention shifts are driven by target location, not object placement. *Visual Cognition*, 27, 768-791. doi:10.1080/13506285.2019.1680587 [\[link\]](#)

Barnas, A. J., & Greenberg, A. S. (2016). Visual field meridians modulate the reallocation of object-based attention. *Attention, Perception, & Psychophysics*, 78, 1985-1997. doi:10.3758/s13414-016-1116-5 [\[link\]](#)

Under review/revision

Barnas, A. J., Abid, H., Sahoo, A. K., Yüksel, E., Kumar, S., & Weisberg, S. M. (under review, *Neuropsychologia*). Representing spatial directions in naturalistic scenes with words and drawings.

Forthcoming/in prep

Barnas, A. J.*, Perez, E. *, Kunath, J., Boogaart, Z., Bowers, D., Ebner, N. C., & Weisberg, S. M. (forthcoming). Functional and structural hippocampal and caudate correlates of spatial navigation strategy in younger and older adults.

*shared first authorship

Hughes, D. J., **Barnas, A. J.**, & Greenberg, A. S. (forthcoming). Target-related activation in bilateral posterior parietal cortex reflects object-based horizontal shift advantage.

Barnas, A. J., Bowers, D., Ebner, N. C., & Weisberg, S. M. (in prep). Selective impairments in visual attention are associated with spatial navigation impairments in older adults.

Barnas, A. J., Bowers, D., Ebner, N. C., & Weisberg, S. M. (in prep). Age-related differences in space- and object-based attention.

Roche, T. E., **Barnas, A. J.**, & Weisberg, S. M. (in prep). Visual attention to spatial directions is modulated by visual scene complexity.

INVITED TALKS AND PRESENTATIONS

Spring 2025 Department of Psychology Seminar, University of Central Florida
 Spring 2025 Department of Psychology Seminar, University of West Florida
 Spring 2025 Department of Psychological Science Seminar, Ball State University
 Spring 2025 Department of Psychology Seminar, Rowan University
 Spring 2025 Department of Psychology Seminar, Bradley University
 Spring 2021 Department of Psychology Seminar, University of Florida
 Summer 2019 Department of Psychology Seminar, University of Wisconsin-Madison
 Spring 2017 Psychological Science Department Seminar, Carthage College
 Fall 2014 Department of Psychology Brown Bag, University of Dayton
 Spring 2013 Department of Psychology Brown Bag, University of Dayton

CONFERENCE PRESENTATIONS

*Undergraduate or post-baccalaureate student

2021-present

Barnas, A. J., Bowers, D., Ebner, N. C., & Weisberg, S. M. (November 2025). Beyond the group: Individual variability in space- and object-based attention in aging. *Poster presentation at the Symposium for Individual Differences in Cognition (Denver, CO)*.

Washburn, S., Lin, T., **Barnas, A. J.**, Faulkner, R. *, & Ebner, N. C. (May 2025). Deepfake detection in young and older adults: A brain-behavior analysis. *Poster presentation at the Florida Consortium on the Neurobiology of Cognition (University of Central Florida)*.

Hayes, A. *, Lin, T., Alluri, M., Faulkner, R. *, **Barnas, A. J.**, Lyons, P. *, Arnold, D., Lighthall, N., & Ebner, N. C. (May 2025). Novel real-time fMRI neurofeedback training to enhance trust-related decision

making in aging. *Poster presentation at the Florida Consortium on the Neurobiology of Cognition (University of Central Florida).*

Barnas, A. J., Bowers, D., Ebner, N. C., & Weisberg, S. M. (April 2025). Individual differences in visual attention correlate with spatial navigation behavior in aging. *Poster presentation at the Center for Cognitive Aging and Memory Clinical Translational Research Day (University of Florida).*

Washburn, S., Faulkner, R.*, Lin, T., **Barnas, A. J.**, & Ebner, N. C. (April 2025). Understanding age differences in deepfake image detection. *Poster presentation at the Center for Cognitive Aging and Memory Clinical Translational Research Day (University of Florida).*

Faulkner, R.*, Washburn, S., **Barnas, A. J.**, Lin, T., & Ebner, N. C. (March 2025). The role of age in deepfake detection accuracy. *Poster presentation at the Institute for Learning in Retirement (Gainesville, FL).*

Roche, T. E.*, **Barnas, A. J.**, & Weisberg, S. M. (March 2025). Scene complexity modulates visual attention to spatial directions. *Poster presentation at the 2025 D.K. Stanley Day Research Symposium (University of Florida).*

Weisberg, S. M., Perez, E., **Barnas A. J.**, Kunath, J. T., Bowers, D., Ebner, N. E. (February 2025). Wanderlust or rust: A novel theoretical mechanism for navigation strategy differences in younger and older adults. *Poster presentation at the Dallas Aging & Cognition Conference (Dallas, TX).*

Washburn, S., **Barnas, A. J.**, Faulkner, R.*, Lin, T., & Ebner, N. C. (February 2025). The role of age in deepfake detection accuracy. *Poster presentation at the Dallas Aging & Cognition Conference (Dallas, TX).*

Washburn, S., **Barnas, A. J.**, Faulkner, R.*, Lin, T., & Ebner, N. C. (February 2025). Examining the influence of age on deepfake detection. *Poster presentation at the North Central Florida Society for Neuroscience Research Symposium (University of Florida).*

Perez, E., **Barnas, A. J.**, Kunath, J., Kvam, P., Ebner, N. C., Bowers, D., & Weisberg, S. M. (November 2024). Navigating uncertainty: Age- and AD/HD-related differences in explore-exploit tradeoffs across gambling and navigation. *Poster presentation at the Psychonomic Society (New York City, NY).*

Washburn, S., Faulkner, R.*, **Barnas, A. J.**, Pehlivanoglu, D., Zhen, J., Lin, T., El-Shafie, D., Zhu, M., Woodard, D., Cahill, B., & Ebner, N. C. (September 2024). Age-related differences in deep-fake detection. *Oral presentation at the Scientific Research Network on Decision Neuroscience and Aging Data Blitz (virtual).*

Hughes, D. J., **Barnas, A. J.**, & Greenberg, A. S. (May 2024). fMRI reveals a modulatory role of visual field meridians on object-based selective attention. *Poster presentation at the Vision Sciences Society (St. Pete Beach, FL).*

Kunath, J.*, **Barnas, A. J.**, Perez, E., Boogaart, Z.*, Ebner, N. C., & Weisberg, S. M. (November 2023). Modifying spatial navigation strategy through task instruction in younger and older adults. *Poster presentation at the Psychonomic Society (San Francisco, CA).*

Barnas, A. J., Ebner, N. C., & Weisberg, S. M. (November 2023). Allocating space-based attention with schemas, words, and scenes. *Poster presentation at the Psychonomic Society (San Francisco, CA).*

Barnas, A. J., Bowers, D., Ebner, N. C., & Weisberg, S. M. (November 2023). Individual differences in visual attention correlate with spatial navigation behavior in aging. *Poster presentation at the Symposium for Individual Differences in Cognition (San Francisco, CA)*.

Hughes, D. J., **Barnas, A. J.**, & Greenberg, A. S. (November 2023). Shifts of object-based attention show a horizontal direction advantage in PPC reflecting limitations on intra-hemispheric exchange of attention information. *Poster presentation at the Society for Neuroscience (Washington, DC)*.

Barnas, A. J., Bowers, D., Ebner, N. C., & Weisberg, S. M. (September 2023). Novel behavioral and neural markers of Alzheimer's disease progression: A case for visual orienting. *Poster presentation at the 2023 Ed and Ethel Moore Alzheimer's Disease Research Symposium (University of Central Florida)*.

Perez, E., Kunath, J.*, **Barnas, A. J.**, Boogaart, Z.*, Ebner, N. C., & Weisberg, S. M. (July 2023). Neural correlates of strategy shifts in navigation behavior. *Poster presentation at the Organization for Human Brain Mapping (Montréal, QC)*.

Hughes, D. J., **Barnas, A. J.**, & Greenberg, A. S. (May 2023). Differential allocation of object-based attention across interhemispheric and intrahemispheric boundaries. *Poster presentation at the Vision Sciences Society (St. Pete Beach, FL)*.

Barnas, A. J., Ebner, N. C., & Weisberg, S. M. (February 2023). Spatial navigation behavior correlates with specific components of attentional function. *Poster presentation at the Center for Cognitive Aging and Memory Research Day (University of Florida)*.

Barnas, A. J.[†], Ebner, N. C., & Weisberg, S. M. (February 2023). Spatial navigation behavior correlates with specific components of attentional function. *Poster presentation at the Dallas Aging & Cognition Conference (Dallas, TX)*.

†Center for Vital Longevity Sallie P. Asche Travel Award

Perez, E., Kunath, J.*, **Barnas, A. J.**, Boogaart, Z.*, Ebner, N. C., & Weisberg, S. M. (February 2023). Neural correlates of strategy shifts in navigation behavior. *Poster presentation at the Dallas Aging & Cognition Conference (Dallas, TX)*.

Perez, E., Kunath, J.*, **Barnas, A. J.**, Boogaart, Z.*, Ebner, N. C., & Weisberg, S. M. (June 2022). Neural correlates of strategy shifts in navigation behavior. *Poster presentation at the Interdisciplinary Navigation Symposium (virtual)*.

Barnas, A. J.[†], Ebner, N. C., & Weisberg, S. M. (May 2022). Spatial attention is modulated by representational formats of spatial direction. *Poster presentation at the Vision Sciences Society (St. Pete Beach, FL)*.

†National Eye Institute Early Career Scientist Travel Award

Hughes, D. J., **Barnas, A. J.**, & Greenberg, A. S. (May 2022). Horizontal shift efficiency underlies the object-based shift direction anisotropy. *Poster presentation at the Vision Sciences Society (St. Pete Beach, FL)*.

Hughes, D. J., **Barnas, A. J.**, & Greenberg, A. S. (November 2021). Shift direction anisotropy is mediated by object location and target position uncertainty. *Poster presentation at the Workshop on Object Perception, Attention, and Memory (virtual)*.

Barnas, A. J., & Ward, E. J. (May 2021). Meta-cognitive judgments of change detection predict change blindness. *Poster presentation at the Vision Sciences Society (virtual)*.

2016-2020

Barnas, A. J., & Greenberg, A. S. (June 2020). Disentangling shift direction, object orientation, and object selection yields a large, reliable metric of object-based attention. *Poster presentation at the Vision Sciences Society (virtual)*.

Barnas, A. J., & Greenberg, A. S. (May 2019). Independent attentional resources explain the object-based shift direction anisotropy. *Poster presentation at the Vision Sciences Society (St. Pete Beach, FL)*.

Bieniewski, D. G.*, **Barnas, A. J.**, & Greenberg, A. S. (April 2019). Local judgment effects on object-based attention anisotropies. *Poster presentation at the Association for Graduate Students in Psychology Research Symposium (University of Wisconsin-Milwaukee)*.

VandenBosch, E. G.*†, **Barnas, A. J.**, & Greenberg, A. S. (April 2019). Mixture distribution analysis on object-based attention anisotropies. *Poster presentation at the UWM Undergraduate Research Symposium (University of Wisconsin-Milwaukee)*.

†**Awarded Outstanding Undergraduate Presentation**

Barnas, A. J., & Greenberg, A. S. (November 2018). Emphasizing the horizontal meridian eliminates the object-based attention shift direction anisotropy. *Poster presentation at the Workshop on Object Perception, Attention, and Memory (New Orleans, LA)*.

Shakir, S. A.*, **Barnas, A. J.**, & Greenberg, A. S. (August 2018). The effect of visual field quadrants on anisotropic attention shifts with meridian enhancements. *Poster presentation at the UR@UWM Summer Convocation (University of Wisconsin-Milwaukee)*.

Barnas, A. J., & Greenberg, A. S. (May 2018). Object-based attention is modulated by shift direction and visual field quadrant. *Poster presentation at the Vision Sciences Society (St. Pete Beach, FL)*.

VandenBosch, E. G.*, **Barnas, A. J.**, & Greenberg, A. S. (April 2018). Manipulating the perceptual visibility of the visual field meridians modulates the object-based attention shift direction anisotropy. *Poster presentation at the UWM Undergraduate Research Symposium (University of Wisconsin-Milwaukee)*.

Barnas, A. J.†, & Greenberg, A. S. (November 2017). Separable effects of object-based attention: The same-object advantage and the shift direction anisotropy. *Poster presentation at the Workshop on Object Perception, Attention, and Memory (Vancouver, BC)*.

†**OPAM Graduate Student Travel Award**

VandenBosch, E. G.*, **Barnas, A. J.**, & Greenberg, A. S. (August 2017). Attention shift efficiency varies by visual field quadrant. *Poster presentation at the UR@UWM Summer Convocation (University of Wisconsin-Milwaukee)*.

Greenberg, A. S., Al-Janabi, S., & **Barnas, A. J.** (August 2017). Object-based attention is strategic and dependent on perceptual organization. *Oral presentation at the Cognitive Science Association for Interdisciplinary Learning (Hood River, OR)*.

Barnas, A. J., & Greenberg, A. S. (May 2017). Target location, rather than object location, drives the object-based attention shift direction anisotropy. *Poster presentation at the Vision Sciences Society (St. Pete Beach, FL)*.

Barnas, A. J., & Greenberg, A. S. (March 2017). Attention affects cortical magnification estimates of human auditory cortex. *Poster presented at the Neuroscience Spring Symposium (University of Wisconsin-Milwaukee)*.

Barnas, A. J., & Greenberg, A. S. (November 2016). The object-based shift direction anisotropy may depend on expectations about shifting across visual field meridians. *Poster presentation at the Workshop on Object Perception, Attention, and Memory (Boston, MA)*.

Barnas, A. J., & Greenberg, A. S. (May 2016). Object-based attention shift direction efficiency: Behavior and a model. *Poster presentation at the Vision Sciences Society (St. Pete Beach, FL)*.

Barnas, A. J., & Greenberg, A. S. (April 2016). Visual field meridians modulate the reallocation of object-based attention. *Oral presentation at the Association of Graduate Students in Psychology Research Symposium (University of Wisconsin-Milwaukee)*.

Barnas, A. J., Potthoff, J., & Greenberg, A. S. (March 2016). Effects of attention on cochleotopic mapping of human auditory cortex at 7 Tesla. *Poster presented at the Neuroscience Spring Symposium (University of Wisconsin-Milwaukee)*.

2011-2015

Barnas, A. J., & Greenberg, A. S. (November 2015). Object-based attention is oriented more efficiently along the horizontal meridian than the vertical meridian. *Poster presentation at the Workshop on Object Perception, Attention, and Memory (Chicago, IL)*.

Barnas, A. J., & Greenberg, A. S. (May 2015). Shifts of object-based attention differ across visual field meridians. *Poster presentation at the Vision Sciences Society (St. Pete Beach, FL)*.

Barnas, A. J., & Kunz, B. R. (May 2014). Decoupling the biomechanics of locomotion and the direction of spatial updating during blind-walking tasks. *Poster presentation at the Vision Sciences Society (St. Pete Beach, FL)*.

Barnas, A. J., & Davis, S. T. (April 2014). Emotional responses evoked by paintings and classical music in artists, musicians, and non-experts. *Oral presentation at the Brother Joseph W. Stander Symposium (University of Dayton)*.

Barnas, A. J., & Davis, S. T. (April 2013). Characteristics of emotion for paintings and classical music. *Poster presentation at the Brother Joseph W. Stander Symposium (University of Dayton)*.

Barnas, A. J., & Davis, S. T. (April 2013). Aesthetic evaluations and emotional responses evoked by paintings and classical music in artists, musicians, and non-experts. *Poster presentation at the Brother Joseph W. Stander Symposium (University of Dayton)*.

+20 additional poster presentations at the Brother Joseph W. Stander Symposium (University of Dayton)

PROFESSIONAL ACTIVITIES

Ad Hoc Reviewer

- *Attention, Perception, & Psychophysics* (4)
- *Experimental Brain Research* (1)
- *Journal of Experimental Psychology: Human Perception and Performance* (2)
- *Journal of Vision* (2)
- *Memory and Cognition* (1)
- *Psychonomic Bulletin & Review* (1)
- *Quarterly Journal of Experimental Psychology* (2)
- *Scientific Reports* (1)
- *Vision Research* (2)

Society Memberships

- Vision Sciences Society
- Psychonomic Society
- American Psychological Association
- Midwestern Psychological Association
- North Central Florida Society for Neuroscience Chapter (inactive)
- Society for Neuroscience (inactive)
- Association for Psychological Science (inactive)
- Society for Music Perception and Cognition (inactive)

Mentoring**Graduate students**

Ball State University (2025-present) – Dan Gavin, Corey Griffin, Jeremy Azofeifa, Alex Whitman (Pathways Mentoring Program), Andrea Bugariu (Pathways Mentoring Program)

University of Florida (2021-2025) – Eliany Perez (2024 SRNDNA Pilot Grant), Ashish Kumar Sahoo, Stephanie Washburn (2024 SRNDNA Diversity Summer Research Award; 2024-2029 NSF GRFP)

Undergraduate and Post-baccalaureate students (*Honors thesis student)

Ball State University (2025-present) – Justin Zeisig, Mayah Grigsby, Emily Taylor, Andie Johnson

University of Florida (2021-2025) – Sophie Jacquemin, Jeffrey Kunath (2024-2029 NSF GRFP), Rory McKemey, Ryan Faulkner, Ty Roche*, Hailey Love*, Mia Markell*, Lachyn Almazova*

University of Wisconsin-Madison (2020-2021) – Jessie Hwang

University of Wisconsin-Milwaukee (2014-2019) – Sana Shakir, Dominic Bieniewski, Mary Liz Kim, Grace Nicora, Erin VandenBosch, Nicole Kashian, Souriyo Dishak, Richard Dubbelde III

University of Dayton (2011-2013) – Jeremy Schwob, Lauren Pytel, Graham Lang, Kristen Kemp, Kar Yen Chai, Daniel Hurlburt, Giuseppe Miranda, Jamie Flannery, Katherine Peters, Paulina Rosequist, Catherine Devlin, Natalie Anderson, Megan Dailey, Eric Gammarino, Kristen Key, Nnimnoabasi Essien, Jessica James, Arianna Arnett, Natalya Lynn, Peter Oduwole, Ashley Adamcik, Ellen Hart, Margaret Wedell, Lauren Ellinghausen, Ellen Snyder, Kevin Longacre, Joseph Pauzek, Ryan Robie, Zachary Vidic, Peter Sismour, Christian Sutphin, Brittany Bernard, Josh Moran, Cara O’Grady, Adam Sitz, Laura Janosko, Hannah Lieber, Shea Tolson, Steven Bare

DEPARTMENT/UNIVERSITY SERVICE AND COMMUNITY OUTREACH

2025	Judge, Graduate Student Mentoring Awards (University of Florida)
2025	Panelist, “Networking for a Post-doc”, Developmental Colloquium (University of Florida)
2025	Judge, North Central Florida Society for Neuroscience Research Symposium (University of Florida)
2024	Volunteer, Kanapaha Middle School Science Night (Gainesville, FL)
2023-2025	Volunteer, Brain Awareness Week, North Central Florida Society for Neuroscience (Gainesville, FL)
2023-2025	Reviewer, Cluff Awards for Aging Research (University of Florida)
2022-2025	Member, Postdoctoral Affairs Advisory Committee (University of Florida)
2022	Volunteer, Cultural Arts Coalition (Gainesville, FL)
2021-2025	Organizer/Facilitator, Postdoc Community Writing Retreats (University of Florida)
2020	Organizer, Postdoc Research Symposium (University of Wisconsin-Madison)
2017-2019	Vice-President, Cognition, Learning, Attention, and Memory Society (UW-Milwaukee)
2015-2018	Volunteer, Workshop on Object Perception, Attention, and Memory
2014-2019	Organizer, Future Success and Upward Bound summer education programs (UW-Milwaukee)

2014-2019 Organizer, Meet Milwaukee and Go Milwaukee campus preview programs (UW-Milwaukee)

TEACHING EXPERIENCE

Ball State University

Spring 2026 Instructor, Introduction to Psychological Science
 Instructor, Introduction to Neuroscience
 Fall 2025 Instructor, Introduction to Psychological Science

University of Florida

Fall 2024 Guest lecturer, Special Topics in Developmental Psychology: Concepts and Methods in Lifespan Development Research – Data visualizations in R
 Fall 2024 Guest lecturer, Introduction to Cognitive Neuroscience – Attention
 Spring 2023 Guest lecturer, Introduction to Cognitive Neuroscience – Attention
 Spring 2022 Guest lecturer, Research Colloquium in Developmental Psychology – Visual attention and spatial navigation in aging and Alzheimer's Disease
 Fall 2021 Guest lecturer, Introduction to Cognitive Neuroscience – Attention

University of Wisconsin-Milwaukee

Fall 2019 Teaching assistant, Clinical Psychology: Science and Practice (online)
 Fall 2019 Teaching assistant, Perception (online)
 Spring 2019 Teaching assistant, Neuropsychology
 Spring 2019 Teaching assistant, Perception (2 sections, in-person and online)
 Spring 2019 Teaching assistant, Hormones & Behavior (online, undergrad/grad)
 Fall 2018 Teaching assistant, Introduction to Psychology
 Fall 2018 Teaching assistant, Neuropsychology
 Fall 2018 Teaching assistant, Perception
 Fall 2018 Teaching assistant, Self-assessment of Health Risk Factors
 Spring 2018 Teaching assistant, Research Methods in Psychology (in-person)
 Spring 2018 Teaching assistant, Psychology of Race, Ethnicity, and Health
 Spring 2018 Teaching assistant, Perception
 Fall 2017 Teaching assistant, Perceptual Processes (advanced online lab)
 Spring 2016 Teaching assistant, Research Methods in Psychology (in-person)
 Fall 2015 Teaching assistant, Research Methods in Psychology (online)
 Spring 2015 Teaching assistant, Research Methods in Psychology (in-person)
 Fall 2014 Teaching assistant, Psychological Statistics

PRESENT POSITION

Aug 2025-Present **Assistant Professor**, Department of Psychological Science, Ball State University

PREVIOUS POSITIONS

Mar 2021-Aug 2025 **Postdoctoral Associate**, Department of Psychology, University of Florida
 Mentors: Steven Weisberg and Natalie Ebner

Dec 2020-Jan 2021 **Postdoctoral Research Associate**, Department of Psychology, University of Wisconsin-Madison
 Mentor: Emily Ward

July 2014-Dec 2019 **Graduate Research Assistant**, Department of Psychology, University of Wisconsin-Milwaukee
Advisor: Adam Greenberg

Aug 2011-July 2013 **Lab Manager and Graduate Research Assistant**, Department of Psychology, University of Dayton
Advisors: Susan Davis and Benjamin Kunz

Sept 2009-Aug 2011 **Undergraduate Research Assistant**, Department of Psychology, University of Illinois at Urbana-Champaign
Advisors: Diane Beck and Susan Garnsey

SPECIAL TRAINING AND CERTIFICATIONS

2025 Pillars of Effective Teaching in Online Courses (Ball State University)
2025 IMAGE Inclusive Mentoring Academy for Graduate Education (University of Florida)
2024 CPR/AED Certification (University of Florida – GatorCPR)
2022 Responsible Conduct of Research (University of Florida)
2022 Great Teaching Certificate (University of Florida)
2022 Preparing Future Faculty Program (University of Florida)
2022 Certificate in Multicultural Mentoring (University of Florida)

TECHNICAL SKILLS

Programming languages: R, Python, Matlab, Javascript, Bash

Stimulus presentation and design: PsychoPy, Psychtoolbox, jsPsych, Qualtrics, Testable

Data analysis and visualization: R, Matlab, SPSS, Prism, ggplot

Neuroimaging analysis: FSL, fmripred, Nipype, Nilearn