

Kate M. Brand

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EDUCATION

University of Wisconsin- Madison Graduate School, Madison, WI Expected Graduation: May 2025
M.S. in Educational Psychology, Learning Analytics GPA: 3.75/4.0

Miami University, College of Arts and Science, Oxford, OH August 2019-May 2023
B.A. in Psychology, B.S. in Biology, Co-major in Neuroscience GPA: 3.78/4.0, Cum Laude

RESEARCH EXPERIENCE

Learning, Memory, and Emotion Behavioral Neuroscience Lab, Oxford, OH September 2020-May 2023
Research Assistant

- Investigated the effects of physiological and environmental stimuli on fear-learning in animal models
- Improved my writing and analysis skills through research proposals and data interpretation
- Publications:
 - Reichert, A. N., Henley, E. C., Chappell, L. C. X., **Brand, K. M.**, Beckett, H. T., Acuna, M. R., & Quinn, J. J. (In preparation). β -adrenergic receptors mediate associative, but not non-associative, memory acquired during acute early life stress exposure in female mice. Unpublished manuscript. Department of Psychology and Center for Neuroscience & Behavior, Miami University, Oxford, OH, United States.
- Presentations:
 - Reichert, A. N., Henley, E. C., Chappell, L. C. X., **Brand, K. M.**, Beckett, H. T., Acuna, M. R., & Quinn, J. J. (2022). Beta-adrenergic receptors mediate associative memory acquired during early life stress in mice. *Stress Neurobiology Workshop 2022*.
 - Reichert, A. N., Acuna, M. R., Henley, E. C., Chappell, L. C. X., **Brand, K. M.**, & Quinn, J. J. (2021). *13th Annual Graduate Research Forum*.
 - **Brand, K.M.**, Chappell, L. C. X., Reichert, A. N., Minshall, B., & Quinn, J. J. (2023). *Indiana University Annual Animal Behavior Conference*.
 - **Brand, K.M.**, Chappell, L. C. X., Reichert, A. N., Minshall, B., & Quinn, J. J. (2023). *29th Annual Undergraduate Research Forum*.
 - **Brand, K.M.**, Chappell, L. C. X., Reichert, A. N., Minshall, B., & Quinn, J. J. (2023). *22nd Annual Hinkle Poster Session*.
- Grants and Funding:
 - ***Bold indicates received**
 - **Undergraduate Research Award, Miami University, 2022**
 - PsiChi Undergraduate Research Grant, 2021

Capstone Project in Community Psychology, Oxford, OH September 2021-May 2022
Undergraduate Researcher

- Learned about the principles used by community psychologists in promoting health/well-being and preventing harm
- Conducted an extensive literature review about barriers to capacity building in university sexual assault prevention programming efforts
- Assessed Miami University's sexual assault prevention programs using a framework established in partnership with RAND corporation
- Presentations:
 - **Brand, K.**, Hamilton, P., Sanders, B., Sciortino, J., & Shapland, J. (2022). A Review of Capacity Barriers to Sexual Assault Prevention Programming in Universities. *Hinkle Poster Session*.
 - **Brand, K.**, Hamilton, P., Sanders, B., Sciortino, J., & Shapland, J. (2022). A Review of Capacity Barriers to Sexual Assault Prevention Programming in Universities. *Undergraduate Research Forum, Miami University*.

WORK EXPERIENCE

The Discovery Center for Evaluation, Research, and Professional Learning, Oxford, OH August 2023-present

Research Assistant & Discovery Center Coordinator

- Support communications and marketing staff with the maintenance and upkeep of the Discovery Center's online presence including the institutional website and social media outlets
- Collaborate on evaluation projects by conducting research, data summarization, and organizational tasks

Northridge Local Schools, Dayton, OH

November 2023-present

Substitute Teacher

- Provide instruction to elementary school students grades K-5 on a weekly basis during teacher absence
- Resolve classroom conflict and manage classroom behavior with students in a low-income community

Brookville Local Schools, Brookville, OH

July 2023-present

Seventh Grade Girls Volleyball Coach

- Generate plans for and lead daily practice sessions and bi-weekly matches
- Evaluate player strengths and implement coaching strategies to enhance athletic performance
- Encourage teamwork and academic success through team-building and goal-setting exercises

EDGE@West Teen Center, West Chester, OH

August 2022-May 2023

Americorps Change Agent

- Encouraged high school students to invest in their future success through programming about post-graduation preparation
- Provided a safe environment for youth to express themselves and seek academic, life skills, and personal guidance
- Contributed to Americorps Service+ cohort sessions and activities while championing engagement in volunteerism and community development

Miami University Residence Life, Oxford, OH

September 2020-May 2023

Resident Assistant

- Confronted and resolved issues on diversity and inclusion, academic performance, and substance use
- Developed and led programs for residents centered around Miami University's pillar programming

O'Donnell & Vent, LLP, Kokomo, IN

May 2022-August 2022

Undergraduate Legal Intern

- Organized case files and wrote pleadings for numerous criminal defense and family law cases
- Attended and assisted counsel in client hearings at the Howard County, Indiana Superior Courts

Teach for America, Houston, TX

February 2022-May 2022

IGNITE Fellow

- Planned academic enrichment activities based on lesson plans and students' communicated needs
- Tutored a group of three students over the Microsoft Teams platform in eighth grade mathematics

VOLUNTEER EXPERIENCE

4-H Camp Whitewood, Ashtabula County, Windsor, OH

February 2020-June 2023

Dean of Women

- Mentored and trained 30 camp counselors aged 15-19 years old on topics such as inclusivity, risk management, and conflict resolution
- Planned, coordinated, and led activities for a group of nearly 150 campers aged 5-14 years old

Miami University Office of Community Standards, Oxford, OH

September 2020-December 2021

Community Standards and Appeals Boards Member

- Engaged with other students in misconduct hearings prior to delivering findings and sanctions
- Discussed submitted appeals letters with faculty members to determine appropriate course of action

Hillside Farm Pediatric Therapy, Oxford, OH

January 2020-June 2021

Hippotherapy Sidewalker & Horse Leader

- Provided support and stabilization for patients ages 3-18 years participating in physical therapy sessions
- Gained an understanding of the manifestation of hypotonia and neurological disabilities

LEADERSHIP EXPERIENCE

Engineers Without Borders- Miami, Oxford, OH

January 2021-December 2022

Grant Writing Committee Chair

- Supervised a team of twelve members in the completion and submission of various technical grants to fund water sanitation projects in Rwanda, Uganda, and Wyandot, OH
- Grants Received:
 - Undergraduate Research Award, Miami University, \$1,000
 - Career Grants, Miami's Career Collaborative, \$30,000
 - M.I.A.M.I. WOMEN Giving Circle Grant, \$20,000
- Presentations:
 - Sustainable Engineering for Water Sanitation in Rwanda. *Hawk Tank 2022.*

Nu Rho Psi Gamma Chapter, Oxford, OH

September 2021-May 2023

Co-President & Treasurer

- Reinstated the Miami University Chapter following disbandment during the COVID-19 pandemic
- Facilitated meetings about current neuroscience topics, guest speakers, and fundraising efforts

HONORS & AWARDS

- Psychology Departmental Honors, Miami University 2023
 - Completed and presented an honors thesis alongside my faculty advisor as a cumulation of three years of research experience in the Learning, Emotion, and Memory Lab
 - Maintained above a 3.25 cumulative grade point average
- Honors with Distinction, Miami University Honors College 2023
 - Completed eight honors experiences including honors courses, undergraduate research, an honors study abroad program, volunteer work, and summer internships
 - Maintained above a 3.50 cumulative grade point average
 - Proposed, developed, and presented a large-scale research project on the effects of early life stress on fear acquisition and anxiety in laboratory rats
- Senior Service Leadership Awards, Miami University 2023
 - Recognized for service during my time as an undergraduate student in 4/4 awarded categories:
 - Intellectual and Cultural Leadership
 - Service to Campus Life
 - Service to the Community
 - Service as a University Employee
- Ohio Campus Compact Charles J. Ping Student Service Award, 2023
 - Sole awardee from Miami University Class of 2023
 - Awarded for outstanding leadership and contributions to community service and service-learning on Miami University's campus and within the community

RELEVANT COURSEWORK

- STA261- Statistics
- PSY293- Introduction to Psychological Statistics
- PSY294- Writing and Research Methods
- PSY251- Introduction to Biopsychology
- PSY351- Advanced Biopsychology
- PSY451- Cognitive Neuroscience
- EDL204- Sociocultural Studies in Education

- EDP256- Psychology of Learners With Exception
- ED PSYCH 501- Thinking and Learning
- ED PSYCH 560- Foundations of Qualitative and Quantitative Research Methods

CERTIFICATES

- Ohio 1-Year Substitute Multi-Age PK-12 License, 2023
- Ohio 3-Year Pupil Activity Permit, 2023
- Ohio Coaches' Tool Chest Completion Certificate, 2023
- Mental Health First Aid, National Council for Mental Wellbeing, 2023
- Humans as Subjects IRB Basic Course, CITI Program, 2021
- Animal Care IACUC Basic Course, CITI Program, 2020
- Aseptic Surgery, CITI Program, 2020
- Reducing Pain and Distress in Laboratory Mice and Rats, CITI Program, 2020

SKILLS

- Highly proficient in Microsoft Office, Google Applications, and online scheduling programs
- Highly proficient in Zoom, Microsoft Teams, WebEx, and Google Meets online meeting platforms
- Highly proficient in APA, MLA, and Chicago publication styles
- Proficient in R and SPSS
- Working knowledge of MATLAB and AutoCAD

OTHER MEMBERSHIPS/ACTIVITIES

Engineers Without Borders- Miami, Oxford, OH

August 2019-May 2023

Uganda Program Team Member

- Engaged with members of the Kabingo, Uganda community to meet basic human needs and empower community leaders to solve the world's challenges
- Overcame cultural barriers to productivity through research and community outreach campaigns
- Wrote extensive pre- and post-implementation proposals and reports including project descriptions, management details, and system drawings and calculations

Ballroom Dancing Club, Oxford, OH

September 2021-May 2023

Member

- Learned and practiced several ballroom dancing techniques of smooth and Latin dances including bachata, waltz, salsa, and swing