

Ezra M. Wingard

West Columbia, SC, 29170 • (803) 605-4795 • emwingard07@gmail.com • [LinkedIn](#) • [Personal Website](#) • [GitHub](#)

EDUCATION

State University of New York (SUNY) at Oswego | Oswego, New York

2019 — 2023

Bachelor of Arts in Psychology, Cognitive Science. Minor in French

- **GPA:** 3.66
- **Capstone Project:** Synthesized new literature on topics relevant to Cognitive Science.
- **Relevant Coursework:**
 - Advanced Statistics in Psychological Science
 - Introduction to Neural Networks
 - Computational Models of Cognitive Science
 - Semiotics and the Study of Meaning
 - Biopsychology
 - Philosophy of Mind
 - Research Methods in Psychology
 - Developmental Psychology

HONORS AND AWARDS

- Honors College Program Student
- Distinguished Cognitive Science Senior Award *Spring 2023*
- Excellence in French Award *Spring 2023*
- Merit Scholarship *Fall 2019 — Spring 2023*
- President's List *Fall 2019 — Spring 2020, Spring 2023*
- Student Travel Award, \$325 *Spring 2023*
- Dean's List *Fall 2021 — Fall 2022*

RESEARCH EXPERIENCE

Volunteer Research Assistant | Dr. Michelle Brown

July 2023 — Present

University of South Carolina | Columbia, South Carolina

- Conduct comprehensive literature reviews to inform the preparation of research manuscripts and academic publications. Synthesize current research findings, critically analyze relevant studies, and identify gaps in the literature.
- Play a pivotal role in drafting and editing research papers, ensuring the accuracy of citations, adherence to academic style guidelines, and proper structuring of arguments. Actively contribute to the preparation of multiple research manuscripts for submission to peer-reviewed journals.

Honors Thesis

Spring 2022 — Spring 2023

Supervised by Dr. Theo Rhodes and Dr. John K. Lindstedt, SUNY Oswego

- Performed literature searches on neural network models to aid in the creation of a new neural network
- Continuously reviewed sources to remain up to date on current research in machine learning (ML) prejudice
- Used understanding of Python, Pytorch and R to construct and analyze neural network model performance
- Developed a comprehensive and well-structured thesis manuscript and presentations, ensuring clarity, coherence, and logical flow of ideas for manuscript publication

Data Collector

Spring 2022

JKLab, supervised by Dr. John K. Lindstedt, SUNY Oswego

- Scheduled meetings with participants using SONA Systems
- Scrupulously collected data from participants using Visual Studio Code script
- Adhered to Lab Manual guidelines and ensured adequate data collection during study oversight
- Collaboratively organized study logistics in Google Sheets

Undergraduate Research Assistant

Fall 2021 — Spring 2023

Cognitive Neuroscience & Cognitive Dynamics Laboratory, supervised by Dr. Theo Rhodes and Dr. Sien Hu, SUNY Oswego

- Researched literature related to mental rotation tasks to better understand Cognitive Neuroscience and aphantasia
- Analyzed behavioral fMRI data using MATLAB to see preliminary results
- Performed statistical analysis on behavioral fMRI data to determine correlations between reaction time
- Assisted in the creation of a manuscript suitable for publication on the research study

Undergraduate Research Assistant

Fall 2020 — Spring 2021

Relationships Across Development (RAD) Laboratory, supervised by Dr. Matthew Dykas, SUNY Oswego

- Organized data collaboratively into Google Sheets
- Met regularly with research participants to access psychological data relevant to the study
- Arranged time-specific meetings with participants via email
- Collaboratively created a professional poster to demonstrate results from the research lab at a local conference

TECHNICAL SKILLS AND CERTIFICATION

Programming Languages:

- | | | |
|-----------------|----------|--------|
| • Python | • MATLAB | • SPSS |
| • R (tidyverse) | • Prolog | • Java |

Productivity Software:

- | | | |
|--------------------|----------------|----------|
| • Microsoft Office | • Google Suite | • Notion |
|--------------------|----------------|----------|

Neuroimaging:

- Certified to use the CABIN MRI machine at University of Rochester

Languages:

- Effective Operational Proficiency in French (CEFR Low C1 Level)

Certificate

- CITI [Responsible Conduct of Research for Undergrad Students Certification](#) (2020)

PUBLICATIONS

Wingard, E.M. (2023). *The Impact of Biases in Facial Recognition Artificial Neural Networks*. *Illuminate NRHC*, 5, [25-32](#).

PRESENTATIONS AND CONFERENCES

- Wingard, E. M. (2023, April 19). [The Impact of Biases in Facial Recognition Artificial Neural Networks](#) [Conference presentation]. SUNY Oswego Quest Week 2023, Oswego, NY.
- Wingard, E.M. (2023, March 30 — April 2). [The Impact of Biases in Facial Recognition Artificial Neural Networks](#) [Poster session]. *Northeast Regional Honors Conference 2023*, Pittsburgh, PA.
- Wingard, E.M. (2023, April 19). *French Polynesia: Flora and Fauna* [Conference presentation]. *SUNY Oswego Quest Week (French Forum)*, Oswego, NY.
- Dykas, M., Wingard, E.M. (2021, April 5). [Does Making Narcissists 'Feel Bad' Make Them Want to Be Better People?](#) [Poster session]. *SUNY Oswego Quest Week*, Zoom.

PROFESSIONAL EXPERIENCE

Animal Care Technician

September 2023 — Present

Carolina Wildlife Center | Columbia, South Carolina

- Administered precise doses of medication and formula to diverse local animal species, ensuring their health and well-being
- Maintained meticulous records of medication administration, dietary requirements, and behavioral observations, contributing to accurate assessments of animal progress and health

- Provided satisfactory care to enhance the quality of life for animals, with a focus on rehabilitating them for eventual release into their natural habitats
- Conducted routine housekeeping tasks to maintain a clean and organized workspace, guaranteeing animals had access to essential necessities
- Demonstrated proficiency in handling and caring for over 70 animals daily, including squirrels, birds, and rabbits, while adhering to strict safety protocols to minimize stress and ensure the animals' comfort

SHOP Coordinator

August 2022 — May 2023

Students Helping Oz Peers (SHOP), Dean of Students Office, SUNY Oswego | Oswego, New York

- Supervised four interns and over 80 student volunteers per semester to ensure the food pantry is fully staffed and running smoothly
- Managed and organized inventory system, obtaining items as necessary through contact with donors to stock the pantry for students, faculty, and staff
- Engage with users, university departments, and faculty to coordinate special events, programs, and collaborations to distribute knowledge about the pantry around campus and the greater Oswego community
- Maintain statistics and pertinent information for effective dissemination of data to the SHOP Advisory Board Committee
- Oversaw marketing and training efforts through the creation of flyers, training materials, and documentation

Peer Specialist, Clubhouse Specialist Substitute

September 2019 — May 2023

Oswego County Opportunities (OCO) | Oswego, New York

- Led discussions and teach youth aged 15-21 sexual health information
- Helped develop education and event plans for weekly programs
- Skillfully communicated with those from diverse communities and maintain confidentiality
- Spoke effectively in public and created training materials on diverse topics such as sexual health and LGBTQ+ identities
- Assisted with running programs and leading group activities through collaboration with co-workers and consumers

VOLUNTEER INVOLVEMENT

President, Vice President, Cognitive Science Club

Fall 2020 — Spring 2023

SUNY Oswego | Oswego, New York

- Successfully increased club participation by 30% during the academic year.
- Directed and planned activities for club meetings, focusing on topics related to Cognitive Science and related fields.
- Successfully increased club participation by 30% during the academic year.

Volunteer Member, Student Health Advisory Council (SHAC)

Spring 2022

SUNY Oswego | Oswego, New York

- Contributed to discussions on health, counseling, and prevention activities on campus, offering feedback and insights.
- Provided recommendations for enhancing health services and resources on campus.

President, Vice President, Queer Trans Outreach Center (QTOC)

Fall 2021 — Fall 2022

SUNY Oswego | Oswego, New York

- Conducted multiple information sessions on LGBTQ+ topics, resources, and equity, engaging both students and faculty
- Organized and hosted events to support LGBTQ+ students and faculty, fostering inclusivity and advocacy on campus
- Coordinated the “Day of Silence” event, a nationwide initiative popularized by GLSEN, which included a silent march and facilitation of discussions about encouraging campus initiatives to counter LGBTQ+ harassment and discrimination.

PROFESSIONAL MEMBERSHIPS

- Member, Senior Officer (Spring 2023), Pi Delta Phi - National French Honors Society *2022 — Present*
- Member, Psi Chi - National Psychology Honors Society *2022 — Present*