

Ezra M. Wingard

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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

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

RESEARCH EXPERIENCE

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 potential 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

Description: The “Memory for Unfavorable Experiences” study to determine if experimentally induced rumination about an unpleasant experience influences how people defensively seek out information about themselves.

- 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 CERTIFICATIONS

- Effective Operational Proficiency in French (CEFR Low C1 Level)
- R (tidyverse), Java, Python, MATLAB, SPSS, Prolog
- CITI [Responsible Conduct of Research for Undergrad Students Certification](#) (2020)
- Proficiency in Microsoft Office, Google Suite, Notion
- Certified to use the CABIN MRI machine at University of Rochester
- CITI [Social & Behavioral Research - Basic/Refresher](#) (2020)

CAMPUS INVOLVEMENT

Volunteer Member, Student Health Advisory Council (SHAC)

Spring 2022

- Discuss feedback on health, counseling, and prevention activities on campus
- Provide recommendations for the improvement of health services on campus

President, Vice President, Cognitive Science Club

Fall 2020—Spring 2023

- Direct and plan activities for club meetings on topics related to Cognitive Science and surrounding fields
- Coordinate with members of the club board and advisor to execute Virtual Reality (VR) and guest speaking at events

PRESENTATIONS, CONFERENCES, AND PUBLICATIONS

Wingard, E.M., *The Impact of Biases in Facial Recognition Artificial Neural Networks*. Accepted for publication in *Illuminate*, 2023.

Wingard, E.M., *The Impact of Biases in Facial Recognition Artificial Neural Networks*. Presented at SUNY Oswego Quest week, April 2023.

Wingard, E.M., *The Impact of Biases in Facial Recognition Artificial Neural Networks*. Poster presented at Northeast Regional Honors Conference, March - April 2023, Pittsburgh, Pennsylvania.

Wingard, E.M., *French Polynesia: Flora and Fauna*. Presented at SUNY Oswego Quest Week (French Forum), April 2023.

Wingard, E.M., Dykas, M. *Does Making Narcissists “Feel Bad” Make Them Want to Be Better People?* Poster presented at: SUNY Oswego Quest week, April 2021, via Zoom.

PROFESSIONAL EXPERIENCE

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 communication and presentations to the SHOP Advisory Board
- 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

PROFESSIONAL MEMBERSHIPS

- Member, Officer, Pi Delta Phi - National French Honors Society *2022—Present*
- Member, Psi Chi - National Psychology Honors Society *2022—Present*