

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:** 3.61
- **Relevant Coursework**
 - Advanced Statistics in Psychological Science
 - Introduction to Neural Networks
 - Computational Models of Cognitive Science
 - Semiotics and the Study of Meaning

HONORS AND AWARDS

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

RESEARCH EXPERIENCE

Honors Thesis

Spring 2022—Present

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

Description: This research project is the basis of an University Honors Thesis, based on the creation of a neural network that has mitigated biases in race and gender classification based on facial attribute analysis and facial recognition technology.

- Perform literature searches on neural network models to aid in the creation of a new neural network
- Continuously review sources to remain up to date on current research in machine learning (ML) prejudice
- Use understanding of Python and ML research to construct a neural network

Data Collector

Spring 2022

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

Description: The “Cognitive Dynamics of Spatial Audio” project consists of listening tasks to better understand the potential uses and benefits of spatial audio in online environments.

- Scheduled meetings with participants using SONA Systems
- Scrupulously collected data from participants using Visual Studio Code script
- Collaboratively organized study logistics in Google Sheets

Undergraduate Research Assistant

Fall 2021—Present

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

Description: This study focuses on an fMRI mental rotation task, where data was collected on those who can visualize mental imagery (non-aphantastic) and those who cannot visualize mental imagery (aphantastic) and measuring their reaction times.

- Research literature related to mental rotation tasks to better understand Cognitive Neuroscience and aphantasia
- Analyze behavioral fMRI data using MATLAB to see preliminary results
- Perform statistical analysis on behavioral fMRI data to determine correlations between reaction time

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

TECHNICAL SKILLS AND CERTIFICATIONS

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

CAMPUS INVOLVEMENT

Volunteer Board 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, Queer Trans Outreach Center

Fall 2021—Present

- Present multiple information sessions on LGBTQ+ topics, resources, and equity to students and faculty
- Organize and host events relevant to LGBTQ+ students and faculty on campus

President, Vice President, Cognitive Science Club

Fall 2020—Present

- 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

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.

Wingard, E.M., Lindstedt, J.K., Rhodes, T. *The Impact of Biases in Facial Recognition Artificial Neural Networks.* Poster to be presented at Northeast Regional Honors Conference, March - April 2023, Pittsburgh, Pennsylvania (scheduled).

Wingard, E.M., Lindstedt, J.K., Rhodes, T. *The Impact of Biases in Facial Recognition Artificial Neural Networks..* To be presented at SUNY Oswego QUEST week, April 2023 (scheduled).

PROFESSIONAL EXPERIENCE

Peer Specialist

September 2019—June 2022

Oswego County Opportunities (OCO) | Oswego, New York

- Collaborated with peers and co-workers in a leadership role
- 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 on diverse topics such as sexual health and LGBTQ+ identities

SHOP Coordinator

August 2022—Present

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

- Supervise three interns and over 80 student volunteers to ensure the food pantry is fully staffed and running smoothly
- Manage and organize inventory system, obtaining items as necessary through contact with donors to stock the pantry for students
- 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
- Oversee marketing efforts through collaboration with SUNY Oswego’s journalism organizations

PROFESSIONAL MEMBERSHIPS

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