

# 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
  - Computational Models of Cognitive Science
  - Introduction to Neural Networks
  - Semiotics and the Study of Meaning

## 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—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-aphantasic) and those who cannot visualize mental imagery (aphantasic) 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

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- Conversational in French
- Java, Python, MATLAB, SPSS, Prolog, R
- 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

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### 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 AND CONFERENCES

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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 presented at Northeast Regional Honors Conference, March - April 2023, Pittsburgh, Pennsylvania..

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.

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

## PROFESSIONAL EXPERIENCE

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### 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

### 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

## PROFESSIONAL MEMBERSHIPS

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