
EDUCATION

The University of Wisconsin-Madison, Madison, WI

2022 – 2024

- ◊ *B.Sc. – Psychology; Economics*
- ◊ *Major GPA 4.0; Overall GPA 3.9*
- ◊ *Psi Chi, Psychology club, Economics Student Association*

Research Experience

Social Learning Lab (PI: Hyowon Gweon)

07/24 - Present

Predoctoral Fellow

Social Interaction Lab at the University of Wisconsin-Madison (PI: Robert Hawkins)

08/23 – Present

Research Assistant

- Currently collaborating on two projects (postdoctoral fellow Dr. Claire Bergey) investigating how linguistic abilities develop across adolescence. Have helped contribute to literature searches, developing a model for classifying communicative acts, and in fitting an existing language classifier to a longitudinal corpus. Responsibilities included data analysis, visualization, and manuscript writing.

Computational Cognitive Development Lab at Harvard (PI: Elizabeth Bonawitz)

01/23 – 05/2024

Research Assistant

- Collaborating on a large-scale investigation of the development of children's social cognition, via MIT's "Lookit" platform (postdoctoral mentor: Dr. Rosie Aboody). Also investigating effect of questioning source testimony on social perceptions. Responsibilities include conducting literature searches, designing and piloting experiments, analyzing, cleaning, and visualizing data, and presenting results.

Social Cognitive Development Lab at Yale (PI: Yarrow Dunham)

05/23 – 08/23

Summer Intern

- Investigated how social roles influence perceptions. Using Qualtrics, Zoom, R, and Bayesian stats, I ran participants, analyzed data, and contributed to a computational model. Additionally, to explore relationships between Just World Beliefs, In-Group identification, income, race, gender, religion, and political ideology, I cleaned and analyzed a large data set (800+ data points) using R.

NASA, Washington, DC

01/22 – 05/22

L'SPACE Scholar

- Served as the designated physics specialist in a NASA mission concept proposal aimed to land a rover on the lunar surface and employ it to assess the potential for sustained human life. Received exceptionally positive feedback and contributed to the team's recognition as one of the top teams nationwide. Utilized programs such as JMARS, CAD, and MATLAB for data analysis and modeling.

The University of Alabama, Tuscaloosa, AL

08/21 – 05/22

Research Assistant

- Conducted observational astrophysics research with Prof. William C. Keel, classifying nine rare spiral galaxies, adding to the four previously known. Presented findings individually at the Undergraduate Research and Activity Conference (URCA). Manuscript in review (third author) with global collaboration. Utilized LaTeX, DS9, Hubble Space Telescope (HST), and VLASS data.

The University of Alabama, Tuscaloosa, AL

08/21 – 01/22

Research Assistant

- Worked with Professor Matthias Kaminski to investigate theoretical astrophysics research on Einstein's Special Relativity theorem. Utilized programs such as MATLAB and Mathematica to derive and model phenomena such as gravitational wells surrounding singularities.

SKILLS

- Languages: English (expert); Spanish and French (intermediate)
- Data analysis: R, SPSS, Python, STATA, MATLAB (semi)
- Running experiments: JavaScript, Lookit, Qualtrics, Prolific
- Writing manuscripts: LaTeX, Overleaf

Publications

- Bergey, C. A, **O'Keeffe, M. E.**, & Hawkins, R. (2024). A longitudinal analysis of children's communicative acts. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 46. Retrieved from <https://escholarship.org/uc/item/85t9s85w>
- Jean Tate, William C. Keel, **Michael O'Keeffe**, O. Ivy Wong, Heinz Andernach, Julie K. Banfield, Alexei Moiseev, Elena Shablovickaya, Stanislav Shabala, Ivan Terentiev, Chris Molloy, Victor Linares. "Here Be SDRAGNs - Hubble Space Telescope Observations of Spiral-Galaxy Hosts of Large Double Radio Sources." *Monthly Notices of the Royal Astronomical Society (MNRAS)*, 2022 [Preprint].

Talks

- *Learning to Think Outside The Box*. Presented at Harvard Spring Symposium (2024).
- *Understanding Preschoolers' Source Considerations in Testimony*. Presented at the Computational Cognitive Development Lab at Harvard Fall Symposium.
- *Mental State Inferences and Social Roles*. Presented to the Social Interaction Lab (2023).
- *Formalizing Institutional [Role] Models*. Presented at the Social Cognitive Development Lab at Yale Summer Symposium (2023).
- *Causal Counterfactual Reasoning*. Presented at the Computational Cognitive Development Lab at Harvard Spring Symposium (2022).

Posters

- Here Be SDRAGNs - Optical Spectra and Hubble Space Telescope Images of Spiral Galaxies Hosting Large Double Radio Sources
Undergraduate Research and Creative Activity Conference, Tuscaloosa, AL, 2021

Scholarship

- Outstanding Undergraduate Research Scholar (OURS) Award (\$1,000) - 2023
- UW Housing Scholar (\$15,219) – 2022; 2023; 2024
- Global Gateways Initiative Scholar (\$8,350) - 2023
- Dean's List - 2021; 2022; 2023; 2023
- SuccessWorks Internship Fund (\$3,000) - 2023
- Yale Internship Stipend (\$5,000) - 2023
- Economics Association Chicago Scholar (\$300) - 2023
- Presidential Merit Scholarship (\$28,000) – 2021; 2022
- Presidents List - 2021
- Honors College – 2021; 2022
- Highest Honors - 2021