

Jade Marceline O'Brien

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EDUCATION

University of California, Irvine

PhD, Statistics

Concurrent

University of California, Santa Barbara

B.S., Statistics and Data Science | Mathematics

2025

GPA: 4.0

RESEARCH EXPERIENCE

Data Science Capstone at UCSB

Goleta, CA

Student

2025

- Implementation of random effects models to examine the levels of ocean acidification over time
- Expanded on pre-existing research by incorporating more flexible modeling techniques, as well as examining differences in carbon uptake between coastal and noncoastal observations stations

ISI-BUDS at UCI (SIBS)

Irvine, CA

REU Participant

2024

- Worked with RStudio and GitHub to conduct statistical research on the mental health outcomes of sexual minority men in Ukraine
- Collaborated with three other students to write a research paper and speak at a symposium to present our findings

PROFESSIONAL EXPERIENCE

Sound Ethics

Remote

Data Scientist

2024

- Used the Flask microframework in python to develop a website
- Utilized the tidymodels package in R to create a predictive model to determine whether a given song had deepfaked vocals

Teach For America

Remote

Ignite Fellow

2022

- Tutored math to a small group of middle schoolers from disadvantaged communities
- Attended several weeks of onboarding to learn how to teach effectively and build an environment conducive to learning

PRESENTATIONS

Li I., **O'Brien J.**, Pan D., Bao L., Vasquez C., McPhilips E. (2025, June). "Validation of Oceanographic Data Products and Investigation of Ocean Acidification and Its Biological Impacts". UCSB Data Science Capstone Poster Session.

O'Brien, J., Iyer, A., Tran, D., Kennedy, A. (2024, August). "Mental Health Outcomes of Internally Displaced Sexual Minority Men in Ukraine". ISI-BUDS Closing Symposium.

O'Brien, J., Iyer, A., Tran, D., Kennedy, A. (2024, November). "Mental Health Outcomes of Internally Displaced Sexual Minority Men in Ukraine". eUSR Video Presentations.