Jade Marceline O'Brien

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EDUCATION

University of California, Santa Barbara

B.S., Statistics and Data Science | Mathematics   2025

GPA: 4.0

RELEVANT COURSEWORK

- Real Analysis I, II & III
- Linear Regression
- Experimental Design
- Statistical Machine Learning
- Data Science Capstone (conc.)
- Time Series (conc.)

RESEARCH EXPERIENCE

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

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.

HONORS & AWARDS

UCSB Mathematics Phi Beta Kappa Member   2024