

# Mia Forsline

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## EDUCATION

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**Master of Environmental Data Science**, 4.0 GPA (Expected June 2022)

**Bren School of Environmental Science & Management - University of California, Santa Barbara**

Highlighted Coursework: Statistics for Environmental Data Science, Data Visualization and Communication, Machine Learning in Environmental Science (all to be completed by June 2022)

**Bachelor of Arts in Biology**, 3.90 GPA (May 2021)

**Occidental College, Los Angeles, CA**

Honors/Awards: Occidental College Sustainability Fund Summer Fellowship (5–8/20), Undergraduate Research Center Academic Student Project Grant (11/18–10/19)

Senior Honors Thesis: Investigated how urbanization impacts the connectivity of salamander habitat patches by using circuit theory and the programming languages R and Julia

## MASTER'S CAPSTONE PROJECT

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**Environmental Food Justice Implications of U.S. Food Systems** (1/22–Present)

**Role: Project Manager | Client: Dr. Ben Halpern (National Center for Ecological Analysis & Synthesis)**

- Create data management plan and solution design to direct analysis and produce deliverables
- Oversee overall timeline, progress, and execution to ensure project success and client satisfaction
- Lead biweekly team meetings between the data analysis team, faculty advisor, and client to set goals, streamline analytical workflows, and brainstorm solutions to any roadblocks

## DATA ANALYSIS EXPERIENCE

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**Independent Researcher – Occidental College (BIO 395 Course)**, Los Angeles, CA (9/18–5/21)

- Surveyed salamander microhabitats using thermal sensors to assess urban heat island effects
- Conducted statistical analyses such as linear mixed-effects models in R to identify biologically significant climate change trends that could impact species conservation efforts
- Presented findings at 2021 Joint Meeting of Ichthyologists and Herpetologists virtual annual meeting to reach geographically diverse audiences and offer urban ecology conservation recommendations

**Sustainable Procurement Analysis Intern – Occidental College**, Los Angeles, CA (3/18–5/21)

- Performed five biannual food budget analyses by digitizing hundreds of vendor invoices and sorting data by year, vendor, and food category in Google Drive to determine the college's overall sustainability score
- Proposed and implemented shifts from conventional to humane chicken products in the dining hall to reduce operation costs and help reach the goal of purchasing 30% sustainable food by 2020

## PROJECT MANAGEMENT & COMMUNICATION EXPERIENCE

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**Program Assistant – AAPI Civic Engagement Fund**, Washington DC (4/21–Present)

- Manage news story data in Airtable to map and elevate AAPI stories across the country

**Biostatistics Teaching Assistant – Occidental College**, Los Angeles, CA (8/20–5/21)

- Taught 60+ first-time users how to prepare, analyze, and visualize biological data in R

## SKILLS

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**Programming Languages:** R, Python, SQL, Bash, Markdown, GitHub

**Programming Environments:** RStudio, RMarkdown, Jupyter, Linux, UNIX, Tableau, Tableau Prep

**Project Management:** Airtable, Dropbox, Google Suite, Microsoft Office Suite, Slack, ZenHub, Zoom