

Mia Forsline

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EDUCATION

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

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

Highlighted Coursework: Machine Learning in Environmental Science, Ethics & Bias in Environmental Data Science, Data Visualization and Communication (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

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)

- Oversee overall timeline, progress, and execution to ensure project success and client satisfaction
- Lead biweekly team meetings between the MEDS sub-team, faculty advisor, client, and NCEAS sub-team to set goals, streamline analytical workflows, and address any problems or questions
- Facilitate team cohesion and trust by managing conflict resolution and prioritizing consistent communication between all team members to boost morale maintain a positive work environment

DATA ANALYSIS EXPERIENCE

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 the programming language 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 across the country 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

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

- Correspond with 2,000+ contacts including 1,000+ donors via MailChimp newsletters to promote AAPI community cohesion and share opportunities such as grants and trainings

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

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

Programming Environments: RStudio, RMarkdown, Jupyter, Linux, UNIX

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