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
<u>Highlighted Coursework:</u> Statistics for Environmental Data Science; Machine Learning in Environmental Science; Introduction to Data Storage and Management; Data Visualization and Communication; Scientific Programming Essentials; (all to be completed by June 2022)

Bachelor of Arts in Biology, 3.90 GPA (May 2021)
Occidental College, Los Angeles, CA
<u>Highlighted Coursework:</u> Biostatistics, Introduction to Cell and Molecular Biology
<u>Honors/Awards:</u> Roberts Annual Research Fellow in the Natural Sciences (6/19), Undergraduate Research Center Academic Student Project Grant (11/18–10/19), Institute for the Study of Los Angeles Mini-Research Grant (10/18)
<u>Senior Honors Thesis:</u> Investigated how urbanization impacts the connectivity of salamander habitat patches by using circuit theory and the programming languages R and Julia

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

Sustainable Procurement Analysis Intern – Occidental College, Los Angeles, CA (3/18–5/21)
- Performed 5 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 maximize sustainability score, reduce operation costs, and help reach the goal of purchasing 30% sustainable food by 2020
- Synthesized and communicated sustainable food score results with the campus community via creative Canva signage, newsletters, social media, and website content

PROJECT MANAGEMENT & COMMUNICATION EXPERIENCE

Program Assistant – AAPI Civic Engagement Fund, New York, NY (4/21–present)
- Proofread RFP applications, annual reports, and other written works for submission and/or publication
- Correspond with 2,000+ contacts including 1,000+ donors via MailChimp newsletters to share opportunities such as grants and trainings as well as to promote AAPI community cohesion,

Biostatistics Teaching Assistant – Occidental College, Los Angeles, CA (8/20–5/21)
- Taught 60+ first-time users how to organize, analyze, and visualize biological data in R
- Offered virtual office hours and one-on-one code troubleshooting for students via Slack and Zoom

SKILLS

Programming Languages: Python, R, SQL, Bash, Markdown, GitHub
Programming Environments: Jupyter, RMarkdown, RStudio, Linux, UNIX,
Project Management: Clockify, Drobox, Google Suite (Docs, Sheets, Slides), Microsoft Office Suite (Excel, PowerPoint, Teams, Word), Slack, ZenHub, Zoom
Graphic Design & Marketing Communication: Adobe Photoshop CS3, Canva, MailChimp, Whova, WordPress