

Mia Forsline

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EDUCATION

Master of Environmental Data Science (2022)

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

Highlighted Coursework: Team Science, Collaborative Analysis, and Project Management

Bachelor of Arts in Biology (2021)

Occidental College – Los Angeles, CA

MASTER'S CAPSTONE PROJECT

Environmental Justice Implications of U.S. Food Production (2022)

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

- Created Design & Implementation Plan to estimate costs, establish project timeline, and propose a solution design to deliver choropleth maps, correlation plots, and random-forest analyses
- Developed Technical Documentation report to communicate results and recommendations for future research

ADDITIONAL PROJECT MANAGEMENT EXPERIENCE

Management Analyst – Santa Margarita Water District, Rancho Santa Margarita, CA (2022 – present)

- Coordinates with Customer Relations and Cross-Connections Departments to track new water services, correct water services' information in CIS billing system, and ensure new services are properly set up and billed
- Collaborates with peer water agencies and attends educational webinars to prepare environmental regulation reports, analyze water demand and supply, and ensure state mandated compliance for the District
- Develops and implements data policies for water conservation programs to streamline the workflow, quantitatively assess program success, and offer future recommendations to management
- Assists with site surveys and email advertisements to educate District customers about public programs (e.g., rebates for water efficient appliances and landscape conversions) and to build community buy-in
- Builds business analyst dashboards to perform various reports (e.g., DRINC, eAR, SAFER Clearinghouse) related to water conservation, budgeting, and new state requirements such as Making Conservation a Californian Way of Life

Sustainable Procurement Analysis Intern – Occidental College, Los Angeles, CA (2018 – 2021)

- Managed 5 budget cost-benefit analyses by researching sustainable food procurement, proposing new food products, and reviewing 1,000+ invoices to increase the amount of sustainable food purchased from 19% to 29%
- Presented insights to Food Systems Working Group and shared summarized success with campus stakeholders via Canva fliers/advertisements and digital newsletters

COMMUNICATION EXPERIENCE

"Work Hacks for Data Analysis and Reporting" – CA Water Efficiency Partnership Peer-to-Peer Conference (2023)

- Presented data cleaning, manipulation, and visualization tools to empower peer agencies to utilize programs such as Microsoft Power BI and ArcGIS Insights to conduct efficient yet meaningful water consumption analyses

Environmental Data Management Fellow – Environmental Data Initiative, Remote (2022)

- Wrote report, based on stream height data, for management to recommend future fiscal decisions to modernize data collection techniques

Program Assistant – AAPI Civic Engagement Fund, Remote (2021 – 2022)

- Balanced competing needs of stakeholders (e.g., grantees, consultants, staff) and reviewed grant RFPs to distribute \$5M+ worth of grants to uplift grassroots AAPI organizations

SKILLS

Project Management: Microsoft Office Suite (including Word and Excel), Google Workspace, Slack, Zoom

Programming Languages: GIS, R, Dax, M

Programming Environments: ArcGIS Pro/Insights/Online, RStudio, Microsoft Power BI