

Kiran Favre

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EDUCATION

Master of Environmental Data Science, 3.85 GPA (Expected June 2023)

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

Highlighted Coursework: Geospatial Analysis & Remote Sensing, Machine Learning in Environmental Science, Databases & Data Management, Data Visualization & Communication (all to be completed by June 2023)

Workshops: Teach Me How to Google, Introduction to Shiny, Measure/Map & Publish with ArcGIS Pro

Bachelor of Science in Environmental Sciences, 3.68 GPA (June 2022)

University of California, Santa Cruz (UCSC)

Leadership: Council Member – Student Organization Leadership Council (9/20–6/22); Student Representative – Carbon Fund Committee (9/20–3/22) | Awards: Dean's Honors List (4 quarters)

DATA SCIENCE PROJECTS

Ocean Chemistry Prediction for CalCOFI (3/23) | Master's Machine Learning Project, Kaggle Competition

- Trained machine learning models to predict dissolved inorganic carbon in water samples
- Competed with class using data collected by California Cooperative Oceanic Fisheries Investigations

Equatorial Waves in Predicting El Niño Southern Oscillation and Climate Change Effects (1/22–3/22)

Undergraduate Capstone Project

- Generated research paper quantifying the relationship between atmospheric and oceanic drivers of ENSO using oceanographic and climatological data on equatorial wave properties
- Analyzed climate models with linear regression analysis in MATLAB for undergraduate capstone seminar

DATA SCIENCE & ENVIRONMENTAL EXPERIENCE

Database Consulting Member – WildAid Marine, Master's Capstone Project, UCSB Bren School (1/23–6/23)

Improving Monitoring and Evaluation of Marine Enforcement in Coastal Marine Protected Areas and Fisheries

- Improve efficiency of the Marine Protection System Tracker data entry system by developing an automated workflow using Google Sheets and RStudio to support their efforts of Marine Protected Area monitoring
- Creating an interactive data visualization tool showcase key metrics and potential impact to potential donors

Fiscal Organizer – Student Environmental Center, Santa Cruz, CA (3/20–6/22)

- Orchestrated 10 environmentally-focused events with attendance up to 200 people to promote the organization's 'No Time to Waste' campaign to ban plastic dishware on campus
- Managed \$300,000 budget including reviewing, allocating, and planning monthly spending with staff advisor

Climate Action Intern – City of Santa Cruz Climate Action Program, Santa Cruz, CA (1/20–3/20)

- Presented the City of Santa Cruz's Climate Action Plan for coastal erosion at 5 community events of 50+ people to gain community feedback on the importance of outdoor recreation space in policy decisions
- Surveyed the community to incorporate their feedback into a representative climate mitigation program

ADDITIONAL EXPERIENCE

Instructional Assistant – Lakeside Union Elementary School, Los Gatos, CA (3/21–6/22)

Research Volunteer – Raimondi-Carr Lab, UCSC, Santa Cruz, CA (9/18–1/19)

SKILLS & CERTIFICATIONS

Computer: R/RStudio, Python, MATLAB, Microsoft Office Suite (Excel, Word, PowerPoint), Google Workspace (Docs, Calendar, Sheets, Forms, Drive), Canva

Certifications: Advanced Open Water Scuba Certification, CPR/AED

Additional Education: Environmental Wildland Studies