

# Kiran Favre

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## EDUCATION

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**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

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

- Trained classification machine learning models to predict dissolved inorganic carbon in water samples
- Applied knowledge of data preprocessing feature engineering to compete for class best model performance

**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

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**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

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**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

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**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