

# FELICIA CRUZ

feliciamcruz@bren.ucsb.edu | (661) 974-4994 | [LinkedIn](#) | [GitHub](#) | [fmcruz23.github.io](https://fmcruz23.github.io) | Goleta, CA

## EDUCATION

---

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

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

Highlighted Coursework: Remote Sensing, Spatial Analysis, Statistics for Environmental Data Science, Machine Learning, Data Visualization and Communication (all completed by June 2022)

Teaching Assistant: Managerial Economics (10/21–12/21)

**Bachelor of Arts in Environmental Studies | Bachelor of Arts in Economics**, 3.84 GPA (June 2021)

**University of California, Santa Barbara**

Highlighted Coursework: Data Wrangling for Economics, GIS for Environmental Applications, Econometrics, Energy and the Environment, Environmental Economics

Honors/Awards: College of Letters & Science Honors Program, Dean's Honors, High Honors at graduation

Leadership/Involvement: Captain of UCSB Club Ultimate Frisbee Team (6/19–6/21)

## DATA SCIENCE PROJECTS

---

**Visualizing Anthropogenic Stressors of Coral Reefs in Moorea** (1/21–Present)

**Role**: Project Manager | **Client**: Moorea LTER | **Master's Capstone Project**

- Visualize 15 years of long-term biological and physical data across 200 sites collected by the LTER pertaining to spatial and temporal patterns of anthropogenic stressors on Moorea coral reefs
- Develop and design an interactive and sustainable Shiny application to be used by LTER researchers, UCSB students, and local stakeholders in Moorea

**ArcGIS Analysis of California Heat Waves** (10/19–12/19)

- Explored how socioeconomic factors contributed to California regions being vulnerable to heat waves
- Utilized different data layers to visualize vulnerable areas and compiled an in-depth written analysis

## PROFESSIONAL EXPERIENCE

---

**Student Assistant – Bren School Academic Programs**, Goleta, CA (10/21–present)

- Assist with scheduling logistics at Bren, collaborate with the assistant dean to develop and deploy academic surveys and program assessments, and serve as a liaison between Academic Programs and Bren students
- Develop R scripts to streamline faculty workload reports and quarterly class schedules

**Research Analyst, Economic Forecast Project – UCSB Department of Economics**, Goleta, CA (10/20–6/21)

- Utilized R to clean and analyze datasets dealing with demographics and community indicators to make conclusions about the overall well-being and economic trends of Santa Barbara County
- Analyzed environmental datasets (e.g., air pollution, water quality, energy consumption) to visualize time-series trends and write analyses communicating research conclusions to a non-technical audience
- Collaborated with senior research analysts to maintain an updated website with all figures and analyses to educate the greater Santa Barbara community

**Peer Advisor – UCSB Undergraduate Department of Economics**, Goleta, CA (2/20–6/21)

- Communicated department policies and assisted students in creating and completing their 4-year plans (e.g., class schedules, graduation requirements) by offering individualized help and guidance
- Collaborated closely with full-time advisors to address individual student situations and concerns

## SKILLS

---

**Programming Languages**: R, Python, SQL

**Computer**: ArcGIS, Stata, GitHub, Microsoft Office Suite (Excel, Word, PowerPoint), Google Suite, Slack, Tableau