Jared Petry

jaredpetry@bren.ucsb.edu | (858) 775-9401 | Github | LinkedIn | Santa Barbara, CA

EDUCATION

Masters of Environmental Data Science (MEDS) Degree (Expected June 2023)
Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)
<u>Highlighted Coursework</u>: Machine Learning, Python, R, Geospatial Analysis and Remote Sensing, Statistics
<u>Capstone Project</u>: Role - Project Manager, Client - WildAid Marine, Product – Data Visualization

Bachelor of Science in Environmental Studies (June 2021)
University of California, Santa Barbara (UCSB)
<u>Honors/Awards</u>: Letters and Sciences Dean's Honors (Fall 2019, Fall 2020, Winter 2021, Spring 2021),
American Indian Cultural Resource Center Book Scholarship (2019)
<u>Study Abroad</u>: Southern Chile, Wildlands Studies Program of Western Washington University

EXPERIENCE

Fisheries Technician (1/22–7/22)
Pacific State Marine Fisheries Commission (PSMFC), Santa Barbara, California
- Surveyed Caltrans roadway crossing structures to assess and quantify salmonid habitat value
- Created maps of watershed areas in ESRI ArcGis Software to calculate streamflow estimations
- Organized and compiled data to communicate anadromous fish passage constraints to client

Sustainability Coordinator and Seafood Retailer– Kanaloa Seafood, Santa Barbara, California (6/21–1/22)
- Managed sustainability compliance for International Organization of Standardization (ISO).
- Provided ecologically responsible seafood and fisheries knowledge to clientele.

Biodiversity Analysis Intern (3/21–7/21)
Marine Biodiversity Observation Network (MBON), Santa Barbara Channel
- Identified 200+ marine algae and invertebrate species in various local benthic ecosystems
- Contributed to data entry and quality control standardization of observed species throughout project

Restoration Intern (3/19–6/21)
Cheadle Center for Biodiversity and Ecological Restoration (CCBER), Santa Barbara, California
- Identified, quantified, and managed the restoration of native coastal vegetation
- Surveyed various microclimates within the Devereux preserve and trained newer students on identification

ADDITIONAL EXPERIENCE

Bioswale Garden Groundskeeper – UCSB Grounds Department, Santa Barbara (10/19–1/20)
Sustainable Urban Farming Intern – Fairview Gardens, Goleta (9/18-1/19)

SKILLS

- **Technical**
  - Languages and Software: R/RStudio, RShiny, tidyverse, tidymodels, ggplot2, plotly, Python, numpy, pandas, matplotlib, GitHub, Microsoft Office, Zoom, Slack, Trello
  - Skills: Querying, wrangling, cleaning, and visualizing data within reproducible workflows, predictive modeling, RShiny application development
- **Critical Thinking**
  - Scientific: Terrestrial and marine ecology, physics and mathematics, troubleshooting, scientific communication and academic proposal writing
  - Communication: Creating and delivering presentations, project management, collaborating with team members, scheduling and facilitating meetings