

DALILA N. LARA

dalilalara@bren.ucsb.edu | dalilalara.github.io | [GitHub](#) | [LinkedIn](#) | Los Angeles, CA

EDUCATION

Master of Environmental Data Science (MEDS) (06/23)

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

Highlighted Coursework: Machine Learning, Data Visualization and Communication, Data Management, Statistics, Geospatial Analysis, Data Management, Text Sentiment Analysis

Bachelor of Arts, Biological Anthropology – UCSB (06/22)

Bachelor of Arts, Global Studies – UCSB (06/22)

Leadership: Executive Co-Chair & Co-Founder – Promise Scholar Advisory Board, (10/18–6/22)

Study Abroad: University of California Study Abroad Program, Florence, Italy (8/21–12/21)

TECHNICAL SKILLS

Programming Software: R, Python, HTML, Bash, SQL, CSS

Other: GitHub, Git, Zotero, Shiny Apps, Tableau, ArcGIS, QGIS, Microsoft Office, Slack, Zoom, Teams

MASTER'S CAPSTONE PROJECT

[Informing Forest Conservation Regulations in Paraguay](#) (1/23–6/23)

Client: Paraguay's National Forest Institute (INFONA) and Robert Heilmayr Ph.D.

- Created a machine learning model to predict future deforestation patterns, providing policymakers with data-driven forecasts to support the development of effective forest laws
- Developed an interactive web application (Shiny App) to provide valuable insights into the Paraguayan Chaco development

DATA SCIENCE EXPERIENCE

Graduate Student Fellow, UCSB-Smithsonian Scholars Program – Santa Barbara, CA (9/22 – 8/23)

- Increasing program engagements by composing and distributing communications to students
- Utilize Excel and R to assist in student data analysis and report generation, which has enhanced the program's decision-making capabilities and informed strategic planning initiatives

Data Science Intern – Smithsonian OCIO Data Science Lab, Remote, CA (6/21–8/21)

- Developed Unix Shell scripts to process genetic DNA sequences, culminating in gene trees
- Analyzed large datasets (600+ sample sets each) for the genus *Syntrichia* using R and Python to extract valuable insights into the genomics and evolution of the genus

Data Science Intern – National Park Services (NPS), Remote, CA (3/21–6/21)

- Utilized R-Code language to analyze Shorebird data sets and present findings through visualizations
- Produced infographics to communicate statistical analysis results in collaboration with the team

Field Crew Member – UCSB Smithsonian Scholars Program, Santa Barbara, CA (1/20–1/21)

- Monitored camera traps to track and document the rare California, Channel Islands Spotted Skunk
- Inputted camera trap data to database and utilized R to conduct analysis and visualization results

ADDITIONAL SKILLS & EXPERIENCES

Languages: Bilingual, Spanish & English

Community Involvement: Assistant Manager – University Center Hub, Santa Barbara, CA (8/19–6/23); Teaching Assistant Intern – Scuola Mameli, Florence, Italy (8/21–10/21); Digital Archivist Intern – Medici Archive Project, Florence, Italy (8/21–10/21)