

Charles Hendrickson

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EDUCATION

Master of Environmental Data Science, 4.00 GPA (Expected June 2022)

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

Highlighted Coursework:

Scientific Programming Essentials

Analytical Workflows and Scientific Reproducibility

Remote Sensing and Environmental Data

Collaborative Analysis and Project Management

Spatial Analysis for Environmental Data Science (all to be completed by 12/21)

Bachelor of Science in Marine Biology, 3.78 GPA (June 2021)

University of California, Santa Cruz

Honors: Dean's Honors for 2017 Fall, 2018 Fall & Winter, 2019 Fall, 2020 Spring, 2021 Winter quarter

Awards: Future Leaders in Coastal Science Award (2019 - 2020)

Leadership/Involvement: Treasurer of Competitive Surf Team, Marine Science Club

DATA SCIENCE SKILLS

Programming: Proficient at coding in R, Python, and SQL

Data Management: Experienced in metadata documentation and data preservation through data repositories, as well as citing scientific literature using Zotero.

MARINE & DATA SCIENCE EXPERIENCE

Scripps Institution of Oceanography Research Fellow (6/20 - 8/20)

Scripps Institution of Oceanography Undergraduate Research Fellowship (SURF), UC San Diego, CA

- Extracted demographic data from 8 days of stereo video footage of fish spawning aggregations
- Structured and documented data in Excel spreadsheet template and completed a statistical analysis in R
- Developed summary figures and data visualizations using R
- Presented to 50+ Scripps faculty and audience members with research poster presentation

Salmonid Life History Lab Member (1/20 - 3/20)

Palkovacs Lab, Dept. of Ecology and Evolutionary Biology, UC Santa Cruz, CA

- Managed quality control for 1200+ envelopes of steelhead trout field data
- Organized field data and quality control notes on a cloud-based datasheet
- Collaborated with research team and developed a workflow for future quality control

National Marine Fisheries Service Intern (1/20 - 3/20)

NOAA Fisheries Ecology Division, Southwest Fisheries Science Center, Santa Cruz, CA

- Worked in a team environment daily to collect and record DNA, scale samples, and field data on coho salmon and steelhead trout
- Tagged 20+ salmonids with passive integrated transponder tags and FLOY tags

ADDITIONAL MARINE BIOLOGY EXPERIENCE

Volunteer Research Diver - Global Visions International, Marine Conservation Expedition, Fiji (6/19 - 7/19)

Conducted SCUBA surveys to collect long-term data on Fijian marine invertebrates to inform local communities and support the development of a sustainable resource management strategy.

National Science Foundation - STEMSEAS - Student Crew Member (8/19 - 9/19)

Recorded metadata on remotely operated and autonomous vehicle operations aboard the R/V *Sikuliaq*.