

Raymond Hunter

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EDUCATION

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

Master of Environmental Science and Management, 4.0 GPA (Expected June 2024)

Specialization: Business and Sustainability | Focus: Innovation

University of California, Santa Cruz (UCSC), *cum laude* 3.84 GPA (December 2020)

Bachelor of Science in Ecology and Evolutionary Biology, *Highest Honors* 4.0 GPA

Bachelor of Arts in Environmental Studies, *Honors* 4.0 GPA

Leadership/Involvement:

Co-Leader: Bren Energy Club 2022-present

Member: Bren Sustainability Club 2022-present

Member: UCSC Surf Team 2017-2020

WORK EXPERIENCE

Lab Technician – Sierra Nevada Aquatic Research laboratory, Mammoth Lakes, CA (1/21–6/22)

- Quantified long term acid mining drainage impacts on stream biodiversity to inform US Forest Service on remediation success over 20+ years
- Identified and recorded 100,000's of stream organisms in excel to manage over 20 years of project data

Biologist – Mountain View Biological Consulting, Mammoth Lakes, CA (2/21–10/21)

- Mapped field sites in GIS, located access points and project perimeters, and communicated project logistics to senior biologists and project managers
- Drafted dozens of environmental compliance reports for contractors, consultants, and land owners summarizing project description and biological activity within the region of interest
- Conducted 100's of bird and small mammal surveys and reported contractor non-compliances

Consultant Assistant – Laguna Geo Sciences, Laguna Beach, CA (remote seasonal 1/18-6/20)

- Organized and managed project data sets and files pertaining to geological activities
- Researched and documented site logistics for senior management to ensure clients' needs are met

Education Intern – Santa Cruz Coastal Watershed Council, Santa Cruz, CA (1/20-4/20)

- Taught freshwater science and climate change to 100+ elementary school kids
- Constructed a conceptual model on watershed pollution to educate elementary school classes on the impacts of littering, urbanization, and climate change on stream biodiversity

ACADEMIC EXPERIENCE

Teaching Assistant UCSB (9/22-present)

– *Environmental Chemistry* (3/23-present)

– *Environmental Ethics* (1/23-3/23)

– *Infectious Disease Ecology* (9/22-12/22)

- Lecture at 4 hour long sections a week teaching science concepts and material
- Designed lesson plans and held office hours weekly for deepening of understanding in the subject

Data Manager - Masters Group Project (3/23-present)

- Quantified the economic costs to implement critical salmonid habitat conservation efforts in Washington State for NOAA
- Worked with large multi-year government data sets (geospatial information and time series) to identify the most critically endangered salmon habitat and how it has changed over time

Carbon Accounting student (9/22-12/22)

- Managed a group project calculating the total scope 1-3 emissions of McGrath power plant (Oxnard, CA) according to the Greenhouse Gas Protocol and authored a final report

- Collected emissions data across multiple data bases, calculated relevant scope emissions in excel, and presented our findings for a panel of professors, researchers, and industry experts

Research Assistant – Palkovacs Lab UCSC, Santa Cruz, CA (9/2019-12-20)

- Secured \$10,000's in research grants to study the link between steelhead trout genotypes and prey selectivity on benthic macroinvertebrate (BMI) communities
- Designed a study measuring the ecological consequences of wildfires across 3 different watersheds in coastal California to inform land management of potential trophic cascades

REU Researcher – University of Puerto Rico, Rio Piedras, PR (6/19-9/19)

- Designed a research project measuring disturbance impacts on diversity of 25+ freshwater meiofauna taxa in proximity to highly developed areas in low income communities
- Collected hundreds of field samples, analyzed samples under the microscope, and reported findings to a committee of freshwater ecologists and Puerto Rican citizens in a research paper

Field Technician – Lyon Lab UCSC, Santa Cruz, CA (9/19-12-20)

- Documented hundreds of sparrow social interactions to provide data on the link between phenotypic hierarchal traits and social dominance within migrating flocks

Intern - Small Mammal Undergraduate Research in the Forest UCSC, Santa Cruz, CA (9/18-12/18)

- Trapped, tagged, and recorded hundreds of coastal California rodents and contributed results to long term metadata on mammal populations
- Worked intensive field days setting up transects, laying traps, and collecting field data in Monterey Bay

Lab Assistant: Kay Lab UCSC, Santa Cruz, CA (9/17-4/18)

- Measured fitness variation of various flowering plants in different toxic soil environments

DATA SKILLS

- **Data analysis and management** (R/R-Studio/GitHub, SQL)
- **Statistical analysis** (R, Excel)
- **Visualization** (Tableau, R, Excel)
- **Spatial Analysis** (QGIS, R)
- **Microsoft Office** (Word, Excel, PowerPoint)
- **Carbon Accounting:** Scope emissions, GHG protocol, ISO standards
- **Public Speaking and Presenting**

HONORS/AWARDS

Bren Academic Excellence Recruitment Fellowship 2022 (\$10,000)

Honors Program UCSC

UCSC Deans Honor Roll (All quarters 2017-2020)

NRS Field Science Fellowship 2020 (\$6,000)

Future Leaders in Coastal Science Award 2019 (\$12,500)

Kathryn D. Sullivan Impact Award 2019 (\$7,500)

Norris Center Student Natural History Award 2019 (\$1,000)

Richard A. Cooley Award 2019 (\$1,000)

Golden Key International Honors Society 2018

The National Society of Collegiate Scholars 2017

HOBBIES

surfing, rock climbing, paragliding, spear fishing, skiing, mountain biking, running, and reading