

KELSEY LEET

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EDUCATION

B.S. Environmental Science

University of California, Berkeley

June 2020 - Current

- Biological Science Concentration
- Climate Science Minor
- Certificate of Design and Innovation
- Expected Graduation: Spring 2024
- Current GPA: 3.78/4.00

High School Diploma

Oak Ridge High School

September 2016 - May 2020

- California State Seal of Bilaterally in Italian Language
- National Honor Society, EcoClub Founder and President, Speech and Debate, Italian Honor Society, Climbing Club, Capital Crew Rowing
- Cumulative GPA: 4.50/4.00

ACADEMIC EXPERIENCE

German Academic Exchange Service (DAAD) RISE Intern

Universitat Hamburg, Institute for Plant Science and Microbiology

June 2023 - Current

- Independently maintained the NordSalt experiment, a microcosm of 90 plots from Salt Marsh ecosystems in Denmark, Finland, and Sweden of varying warming, grazing, and salinity treatments
- Conducted carbon dioxide and methane measurements using an ABB Global LGR-ICOS™ GLA131-GGA Greenhouse Gas Analyzer
- Processed Tea Bag Index samples to quantify the flow of carbon dioxide in experimental plots
- Completed NDVI measurements to assess differences in biomass among plot treatments

Conservation and Innovation Fellow

UC Berkeley Coleman Fung Institute for Engineering Leadership

February - May 2023

- Trained in both Human-Centered and Environment Centered Design theory
- Partnered with the Papahānaumokuākea Marine Debris Project (PMDP) to increase ghost net and derelict fishing gear removal from the Papahānaumokuākea Marine National Monument through tool optimization and design

Amanuensis Student Research Assistant

Chalmers University of Technology, Department of Chemistry and Chemical Engineering

September - December 2022

- Completed Aquaporin proteoliposil production for external development and testing
- Aided in Thin Film Composite (TFC) Polyamide membrane fabrication
- Assembled and operated flux cell unit for membrane separation and flux rate testing
- Continued various particle optimization studies utilizing dynamic light scattering and zeta potential testing
- Attended Euromembrane 2022 conference in Naples, Italy

Cooperative International Science and Engineering Intern

Chalmers University of Technology, Department of Chemistry and Chemical Engineering

June - August 2022

- Successfully completed independent project studying optimal conditions for the silicification and formation of core-shell liposil particle structures and presented findings to faculty
- Trained in the use of a sterile bench, centrifuge, ultracentrifuge, sonicator, nanodrop, RotoVap, UV-Vis spectroscopy and dynamic light scattering (DLS) machines
- Practiced buffer preparation, gel electrophoresis, and lipid extrusion processes
- Assisted in Aquaporin protein purification from yeast cells

Undergraduate Research Assistant, Freshwater Ecology

UC Berkeley Ruhi Lab

February 2021 - May 2022

- Aided in the gathering of Stickleback fin samples at Pinnacles National Park for population ecology studies
- Successfully navigated small water ways in waders to collect benthic stream samples to study macroinvertebrate community structure and response to inconsistent stream flow
- Utilized a microscope to identify and sort approximately 2000 macroinvertebrates from stream samples

PROFESSIONAL EXPERIENCE

Associate Consultant

Bay Area Environmentally Aware Consulting Network (BEACN)

January - May 2022

- Advised Union Pacific Railroad on salt marsh ecosystem site remediation
- Researched salt marsh ecology restoration practices following pollution and land use alterations
- Actively participated in weekly team meetings to discuss action plans and prioritize environmental justice components of the project
- Presented final deliverables to Union Pacific executives

Product Development Intern

Retein

June - December 2022

- Presented research and development details to key investors
- Aided in key brand marketing transitions and daily administrative work

Environmental Justice Intern

California EPA, Cal Recycle Environmental Justice Programs

November 2019 - March 2020

- Aided in the planning and execution of the 2020 Environmental Justice Symposium
- Proofread key communications and documents
- Organized photo and video files and completed clerical tasks

Environmental Assistant

Clark Pacific

May - August 2019

- Completed budget proposals and sustainability reports
- Gathered data for Environmental Product Declaration projects
- Maintained company-wide chemical logs and wrote environmental procedures
- Member of the pollution prevention team

ACTIVITIES AND SOCIETIES

Epsilon Eta Professional Environmental Service Fraternity

Vice President, Professional Development and Academics

General Member

December - May 2022

December 2021

Prytanean National Women's Honor Society

General Member

December 2022

UC Berkeley Climbing Team (Cal Climbing)

Trips Executive Officer

General Member

August 2023

August 2020

UC Berkeley Ski and Snow Board Club (CSSC)

General Member

August 2020

Associated Students of the University of California (ASUC) Eco Office

Environmental Justice Programs Associate

August 2021 - May 2022