

Emily Wapman

ewapman@ucsb.edu | (925) 493-9145

Objective

Driven and diligent student looking to obtain experience in the biological sciences, especially relating to ecology and conservation.

Education

University of California, Santa Barbara

Expected June 2022

Bachelor of Science, Biology

- GPA: 3.74/4.00
- Relevant Coursework: General Chemistry with Labs, Linear Algebra, Physics, Organic Chemistry with Labs, Molecular, Cellular, and Developmental Biology with Labs, Ecology and Evolution, Introduction to GIS

Experience

REU Summer Internship

June-July 2020

Research Assistant, Department of Biology, University of Virginia

Charlottesville, VA

- Accepted into the Leadership Alliance research program at the University of Virginia (cancelled due to COVID-19)
- Attended presentations and recruitment events hosted by the Leadership Alliance Virtual Professional Development program

Young Laboratory

October 2019-Present

Research Assistant, Ecology, Evolution, and Marine Biology, UC Santa Barbara

Goleta, CA

- Classified, organized, and sorted various freshwater insects collected at alpine lakes of varying elevation
- Counted and recorded the number and order of insects in each sample to use for future population analysis

Marcu Laboratory

July 2019-August 2019

Research Assistant, Biomedical Engineering, UC Davis

Davis, CA

- Created phantoms to use as a baseline for testing Fluorescence Lifetime Imaging (FLIm) machines using a silicone base and dyes, problem solved experimental issues, and tested the lifetimes and intensities of these phantoms using FLIm technology
- Analyzed images and data relating to fluorescence lifetime and intensity from FLIm scanning using MATLAB and Excel, and wrote a Standard Operating Procedure of the process
- Presented project and experimental results to other lab members
- Attended weekly lab and journal club meetings and read scientific papers relating to current experiments
- Learned cell culture practices, sterile techniques, and pipetting

Santa Barbara Wildlife Care Network

April 2019-June 2019

Volunteer

Goleta, CA

- Performed maintenance tasks to keep animal enclosures sterile and clean, and organized equipment and medical materials
- Provided care for wounded and sick animals and assisted veterinary procedures

Robert Livermore Aquatics Center

June 2017 – September 2019

Lifeguard/Swim Instructor (Seasonal)

Livermore, CA

- Developed leadership skills by enforcing facility regulations and learned to work quickly and efficiently under pressure by practicing life-saving scenarios at staff trainings
- Created swim lesson plans and taught swimming technique to groups of children and adults of all ages and abilities

Skills and Awards

- Dean's Honors (3 quarters)
- Pedrozzi Scholarship
- Proficient in Spanish
- GIS in R

Activities

UCSB Triathlon Team

October 2018 - Present

Kendra's Race Committee Officer

- Met weekly with other committee members to plan the team's annual spring race
- Helped organize course set-up and volunteers for race day