
KAITLIN MACARANAS

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Education

- **California State University: Bakersfield (CSUB)** (Spring 2019 – Current)
 - Undergraduate Biology BS major – GPA: 3.81
 - Dean's List Honors Achievement for Spring/Fall 2019 and Spring/Fall 2021
- **Bakersfield College** (Fall 2018)
 - Undergraduate Biology Transfer Student – GPA: 4.0
- **University of Minnesota: Duluth (UMD)** (Fall 2016 – Spring 2018)
 - Undergraduate Physics Major – GPA: 3.2
- **Minneapolis Community and Technical College** (Spring 2015 – Summer 2016)
 - Undergraduate Liberal Arts (Transfer Program) – GPA: 3.86

Research and Field Work Experience

- **Dr. Rae McNeish – CSUB Aquatic Ecology Lab Group** (Spring 2019 – Current)
 - Independent project studying the connections between atmospheric conditions and the fate and distribution of microplastics to terrestrial and freshwater ecosystems titled, “Landscape Features Impact Atmospheric Deposition of Microplastics and Nutrients”
 - Lab duties include processing rainwater samples, preparing chemical solutions, acid-sterilizing field equipment, using a stereomicroscope to identify microplastics, organizing and entering sample data, and digitally measuring macroinvertebrates using the ImageJ software
 - Field duties include surveying, conducting monthly densiometer readings of canopy coverage, collecting rainwater, and organizing, managing, and leading group field work collection
 - Participation in scientific journal club meetings and discussion of relevant research articles
- **The Wildland Conservancy's Wind Wolves Preserve Volunteer** (March 2019 – March 2020)
 - Assisted park rangers with the removal of invasive plant species and natural habitat restoration efforts
 - Volunteered during the 2019 Annual Spring Nature Festival as an entry guide, tasked with answering questions and directing guests into the preserve
- **CSUB-NSF GEOPATHS Research Cruise Student Scientist** (Fall 2019)
 - Collaborative research effort between UC San Diego and CSUB faculty and students to collect and process deep ocean sediment cores, ocean water, and data while out at sea

Work Experience

- **RCN-ECS MarineOmics Working Group, Undergraduate Research Intern** (March 2021 – Current)
 - Proactive participation in developing a collaborative, qualitative reproducibility review and formulating a set of recommended guidelines for reproducible and robust data and code representation in marine evolution and genomics research
 - Intern duties include analyzing data and code in current marine genomics research and establishing their reproducibility based on evaluation criteria, participating in weekly group meetings among the working group, practicing and learning data programs and repository tutorials, and effectively organizing and completing weekly tasks concurrently with other research and academic duties
- **CSUB Biology Stockroom, Undergraduate Student Assistant** (June 2019 – June 2020)
 - Sterilization of biological media and instruments via autoclaving and dishwashing
 - Experience with making sample media, pouring agar plates, and preparing class laboratory materials

- **PetSmart, Pet Care and Aquatics Associate** (February 2017 – August 2019)
 - Preparation of the pet care department by feeding and caring for fish, insects, and reptiles
 - Experience with testing and maintaining the water quality of the main aquarium sump

Relevant Skills

- **Successful communication, social, organizational, and research skills developed collectively from 4+ years of customer service, education experience, and research experience**
- **Proficiency in a laboratory and field setting**
- **Proficiency using Microsoft Office, such as Word, Excel, and PowerPoint**
- **Experience developing and designing a group research project**
- **Experience with programs R, RStudio, GitHub, and Dryad and analyzing data trends**
- **Experience with conducting virtual measurements using imaging software, ImageJ**
- **Can work independently and interact professionally with others**

Additional Scientific Involvement and Awards

- **Research Coordinated Network for Evolution in Changing Seas – Member** (Jan 2021 – Current)
 - RCN-ECS MarineOmics Working Group Undergraduate Research Stipend Recipient = Total: \$3,000
- **Society for Freshwater Science (SFS)**
 - Silent Auction Committee Student Volunteer (Spring 2021 – Current)
 - SFS Student Member and Instars Mentoring Program Participant (May 2020 – Current)
 - Poster presentation awarded 1st place at the ASLO-Society for Freshwater Science 2020 Meeting
- **CSUB**
 - Alpha Chi National Honor Society Lifetime Member (Spring 2021 – Current)
 - Biology Club and Women in Science Club (Fall 2020 – Current)
 - Louis Stokes Alliance for Minority STEM Participation Program Member and Research Stipend Recipient (Spring 2019 – Current) = Total: \$5,075
 - California State University Council on Oceanic Affairs, Science, & Technology (CSU COAST) Undergraduate Research Award Recipient (Fall 2019 and Fall 2020) = Total: \$5,901
 - Gobalet-Batey Scholarship Award for Outstanding Biology Students (Fall 2020) = Total: \$1,786
 - School of Natural Sciences, Mathematics, and Engineering Outstanding Undergraduate Paper Award Recipient (Spring 2020)