

Gabriel T. De La Rosa

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EDUCATION

Master of Environmental Science & Management (Expected June 2021)

Bren School of Environmental Science and Management | University of California, Santa Barbara

Specialization: Conservation Planning

Focus: Science Communication and Media | Environmental Data Science

Highlighted Coursework: GIS, Advanced Data Analysis, Environmental Modeling

Bachelor of Arts with Distinction in Molecular and Cellular Biology (May 2016)

Colorado College | Colorado Springs, CO

Thesis: Experimental and observational evidence that dissolved organic matter loading induces heterotrophy in a high elevation, oligotrophic lake.

PROFESSIONAL EXPERIENCE

Alpine Lake Field Researcher (June 2018–October 2018)

Sadro Lab | University of California, Davis

- Sampled 15 different lakes up to 12 miles in the backcountry across the entire Sierra Nevada range for a project aiming to understand the effects of climate change on biogeochemical cycles in the Sierra Nevada.
- At each lake, deployed instrument chains up to 80 meters deep, measured physical lake properties, collected various nutrient and isotope samples, measured lake metabolism, and mapped lake bathymetry.
- Worked closely with a four-person team to complete all sampling within a four-day timeframe. Learned to troubleshoot problems in the backcountry, with limited resources and no outside communication.

Neurodevelopment Laboratory Technologist (July 2016–August 2017)

Parrish Lab | University of Washington

- Studied *Drosophila melanogaster* by performing genetic screens, behavioral assays, and various molecular biology methods to reveal how mutant genes affect neuron function.
- Designed and ran projects that identified and characterized important genes for pain response in *Drosophila*.
- Collaborated with a 30 member community of scientists, regularly communicating with lab members and other UW scientists on how best to approach research, both within the UW and the greater Seattle community.

Alpine Lakes Research Experience for Undergraduates Intern (June–August of 2014 and 2015)

Sadro Lab, through UCSB | Sequoia National Park, CA

- Designed and implemented a novel experiment analyzing carbon cycling changes in an alpine lake due to climate change for an undergraduate thesis.
- Wrote a 30-page manuscript outside these findings, incorporating academic concepts and literature outside of my area of expertise.
- Coordinated all trip preparation, all weekly sampling, and all necessary post-sample processing for 20 four-day backcountry trips.
- Presented my research at the American Geophysical Union Fall Meeting, the largest international Earth Science meeting in the world.

ADDITIONAL EXPERIENCE

Server - Rincon Argentino, Boulder, CO (1/18–6/18 and 3/19–8/19)

Freelance Content Writer – CYC (3/2019–7/2019)

SKILLS

Computer: R, ArcMap, Tableau, JMP (SAS), Microsoft Word, Excel and PowerPoint.

Languages: Spanish (conversational, 30-page undergraduate research paper, study abroad in Chile in 2013)

Field Research: Physical lake profiling, isotope sampling, nutrient sampling, headspace gas sampling, littoral surveys, zooplankton collection, bathymetric mapping, instrument chain configuration and deployment, backcountry sampling.

International Travel: France and Spain (Fall, 2017), Portugal (Winter, 2018)