

Samantha Kuglen

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EDUCATION

Master of Environmental Science and Management (Expected June 2023)

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

Specialization: Coastal Marine Resources Management

GPA: 4.00/4.00

Bachelor of Science in Marine Biology, Minor in Environmental Studies (June 2019)

University of California, San Diego (UCSD)

Awards: Biological Sciences Undergraduate Excellence in Teaching Award 2018-2019

Leadership/Involvement: Clinton Global Initiative University (CGI U) Conference 2018

EXPERIENCE

Graduate Student Reader – UCSB Environmental Studies Department

Santa Barbara, CA (01/22 – 03/22)

- Grading student assignments and examinations for course ENVS 193 – Special Topics in Environmental Studies, Nature Spirituality with Dr. Lisa Sideris
- Facilitating online discussion forum discourse and providing meaningful, interactive feedback to students

Watershed Stewards Program (WSP) – Americorps, National Park Service

Golden Gate National Recreation Area & Point Reyes National Seashore & (10/20–08/21)

- Monitored populations of federally endangered Coho salmon through in-creek spawning assessments, seine surveys, and electronic tagging of fish to track species health and abundance
- Taught a 6-week curriculum on environmental stewardship to 40 students at a Title 1 elementary school
- Engaged in community outreach through blog updates on the National Park Service website

Research Assistant – NOAA Southwest Fisheries Science Center

La Jolla, CA (11/18–07/19)

- Sampled seawater from the Scripps Institution of Oceanography pier weekly for 9 months and prepared 24-hour brine shrimp lethality assays (BSLA) at various concentrations of seawater for toxicity testing
- Reviewed current literature, alongside experimental findings from BSLA results, to understand the potential trophic effects on coastal ecosystems from biotoxins produced in seasonal diatom algal blooms

Undergraduate Instructional Aid (IA) – UC San Diego

La Jolla, CA (09/18–12/18)

- IA for UC San Diego undergraduate course *BILD 3: Organismic and Evolutionary Biology*
- Led a 1-hour discussion section of 30 students each week for 10 weeks, hosted weekly office hours, and prepared content for exam review sessions of key course concepts
- Graded homework assignments and proctored midterm and final exams for ~300 students

Marine Biology & Ocean Operations (MBOO) Intern – City of San Diego

San Diego, CA (10/17–10/18)

- Assessed the ecological health of southern California coastal invertebrates and fishes through offshore boat field sampling, including trawl surveys and Conductivity Temperature Depth (CTD) measurements
- Synthesized and communicated data to the general public in the 2016-2017 City of S.D. Bi-Annual Report
- Laboratory tested and analyzed water quality for bacterial pollutants

SKILLS

Technical: R, python, Microsoft Office, Google Suite, Adobe CS6

Communication: Public speaking, peer tutoring, community outreach, environmental writing

Certifications: PADI Advanced Open Water Diver, First Aid & CPR