

ANNA CALLE

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EDUCATION

Master of Environmental Science and Management (Expected June 2020)

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

Specialization: Conservation Planning | Focus: Environmental Data Science

Bachelor of Science in Environmental Studies (June 2018)

University of California, Santa Barbara (UCSB)

Minor: Statistical Science

Scholarship: \$250,000 from Ecuador Secretariat of Higher Education, Science, Technology and Innovation

MASTER'S GROUP PROJECT

Assessing Brazil's Marine Aquaculture Potential (4/19–4/20)

Client: World Wildlife Fund (WWF)

- Identified suitable sites for offshore mariculture development in Brazil by creating a suitability model with three components; a spatial suitability model, a productivity model, and an economic model.
- Developed a [mapping web-based tool](#) using R that can assist with aquaculture planning strategies and can be adapted to different regions across the globe.
- Worked as part of a multidisciplinary team of five members to develop an accurate, engaging, and quality report with the goal to publish findings in an aquaculture scientific journal.

ENVIRONMENTAL EXPERIENCE

Climate Change Mitigation, Agroforestry, and Forest Conservation Intern (6/19–Present)

Yakum, Tena, Ecuador

- Collected geospatial data on reforestation and community resources in the field using a GPS unit.
- Mapped reforestation plots in 4 indigenous communities utilizing QGIS software.
- Assisted in planning, budgeting, and writing of two successful proposals that funded 2 ha reforestation projects in two indigenous communities.
- Conducted nursery/planting work of native fine hardwoods and fruit trees during visits to indigenous communities.

Snowy Plover Docent (10/15–8/16 and 7/18–3/19)

Coal Oil Point Reserve (COPR), Santa Barbara, CA

- Educated visitors about conservation efforts at COPR to protect the Western Snowy Plover; provided information on natural history, population status and biology of snowy plovers.
- Recorded observations on beach usage, interactions with visitors, and disturbance of the plovers.
- Trained and supervised four new interns during 2-hour practice shifts.

Seabird Habitat Restoration Intern (8/17)

California Institute of Env. Studies, Channel Islands National Park, CA

- Prepared and maintained restoration plots by removing non-native plant species to increase suitable habitat for nesting seabirds; performed manual and chemical weed management.
- Carried out nursery production and plant care tasks for 10+ native species including seed starting, seedling care, and plant propagation.

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ENVIRONMENTAL EXPERIENCE [Continued]

Restoration Intern (4/17–9/17)

Coastal Fund and Storke Ranch Homeowners Association, Santa Barbara, CA

- Improved 10 acres of degraded wetland ecosystem under the guidance of a conservation biologist; controlled invasive non-native plants and enhanced populations of native plants.
- Conducted quadrat sampling to determine composition and abundance of plant species in vernal pools.
- Identified 50+ native and non-native plants present in wetland habitats in California.

Nancite Sea Turtles Conservation and Research Program Volunteer (6/16)

Int'l Student Volunteers, Santa Rosa National Park, Costa Rica

- Monitored sea turtle populations at night with experienced biologists and local research assistants.
- Collected data on nesting sea turtles; attached and recorded flipper tags for sea turtle identification.
- Conducted diurnal surveys on jaguar predation; recorded data on predated sea turtle carcasses including geographic coordinates.

ADDITIONAL EXPERIENCE

Statistics for Life Sciences Teaching Assistant (10/19–Present)

UCSB, Santa Barbara, CA

Taught weekly laboratories and classroom discussions for two sections of 25 students each.

LEADERSHIP & COMMUNITY INVOLVEMENT

UCSB for Ecuador Fundraising Campaign (4/16–5/16)

Created initiative to promote solidarity for Ecuador after the 2016 earthquake; contributed \$1,400 to rebuilding houses for people with vision impairments that lost their homes.

Leadership Training Certification – National Society of Leadership and Success (12/15)

Completed professional communication assessment (DiSC) and Success Networking Team meetings (SNTs).

Doctor Oswaldo Loor Foundation, Portoviejo, Ecuador (6/13–8/13)

Performed visual acuity tests, prescribed lenses and distributed medicines in secluded educational centers and rural communities; assisted in prescribing visual aids and training patients on how to use them.

SKILLS & ACTIVITIES

Computer: R, R Markdown, R Shiny, ArcGIS, QGIS, Tableau, Basic HTML and CSS, Microsoft Office (Word, Excel, PowerPoint)

Language: Fluent in English and Spanish

Communication: Strong writing and presentation skills; completed Writing for Environmental Professions course

Volunteer Award: President's Volunteer Service Award (100+ volunteer hours in 2016)

Involvement: National Society of Leadership and Success Member (9/15–Present)