

ZOE ZHOU

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EDUCATION

Master of Environmental Science and Management, 3.97 GPA (Expected June 2025)

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

Specialization: Conservation Planning

Data Analysis & Other Courses: Databases and Data Management, Big Data Techniques, Environmental Datasets, Machine Learning, Advanced Data Analysis, Modeling Environmental Systems, Conservation Planning,

Bachelor of Science in Economics | Bachelor of Science in Earth and Space Science, 3.53 GPA (June 2016)

University of Washington (UW), Seattle, WA, USA

Awards: Dean's List Scholarships | Geology Undergraduate Field and Research Fund Award

DATA & CONSERVATION PROJECT EXPERIENCE

ResiliReefs: Eco-Entrepreneurship Group Project for Coral Reefs (1/24–Present)

- Queried 38 million online mentions across social platforms to conduct sentiment analysis for market research
- Designed an R Shiny app to visualize and communicate coastal risk reduction benefits of coral restoration, supporting restoration managers in site selection and decision making
- Conducted meta-analysis of coral restoration projects, supplemented by market research with 97 interviews, to identify knowledge gaps and design a business model focused on scaling coral restoration efforts

Conservation Planning Practicum: Connectivity Modeling for Marine Spatial Planning (9/24–12/24)

- Researched and synthesized dispersal simulation methodologies from 28 scientific studies
- Optimized workflow for integrating hydrodynamic data into larval dispersal models in Python
- Developed and visualized dispersal path and connectivity metrics to assess the strength and direction of reef connections, delivering insights for the design of marine protected area (MPA) networks

CONSERVATION & PROJECT MANAGEMENT EXPERIENCE

Blue Ribbon Ocean Conservation Association, Sanya, China (6/20–12/22)

Senior Project Officer (12/21–12/22) | Project Officer (6/20–12/21)

- Designed and implemented public outreach initiatives for the Municipal Bureau of Ecology and Environment with 400+ attendees in a single event
- Managed social media accounts with 259,000 followers, expanding engagement and visibility through strategic content and press release campaigns.

Project Manager — GEF SGP under UN Development Programme (UNDP) (7/21–7/22)

- Authored 30-page bilingual proposal for funding through Global Environment Facility (GEF) Small Grants Programme (SGP) and secured \$50,000 funding for a mangrove restoration project
- Completed detailed project financial reports for compliance with funding requirements and UN standards.

Project Officer — “Plastic Smart City” Pilot Demonstration Project under WWF (6/20–12/21)

- Coordinated public opinion surveys in 3 minority ethnic villages within the pilot project sites to inform project implementation strategies
- Managed logistics for 30+ events, including beach clean-ups, WWF campaigns, and stakeholder workshops.

ADDITIONAL EXPERIENCE

Graduate Teaching Assistant – UCSB Economics Department, Santa Barbara, CA (4/24–Present)

Sales Manager – Zhongsheng Sales and Services, Guizhou, China (1/18–3/20)

Lab Assistant – UW Johnson Isotope Geochemistry Lab, Seattle, WA (5/14–5/15)

SKILLS & ACTIVITIES

Technical: Python | R | ArcGIS Pro | Quarto | RShiny | GitHub

Certificates: FAA Remote Pilot, Remote Sensing & Mapping for Coral Reef Conservation, PADI Open Water Diver