

Rachel “Holden” Ford

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6062 Judwick Circle, Huntington Beach, CA 92648

Summary: Long Beach State – Graduated Geology major. Anthropology Minor. Current Masters Student. Evaluating career opportunities. Passionate about Oceanography. Passionate about science communication. Excellent lab and organizational skills. Extensive field experience. University trained research assistant.

EDUCATION:

- 2022-2023: California State University, Long Beach
 - Master in Geographic Information Science, Graduating August 2023
 - 4.0 GPA
- 2019-2021: California State University, Long Beach
 - Bachelor of Science in Geology minor in Anthropology
 - Presidents List Fall 2021
 - 3.659 GPA
- 2018 -2019: Orange Coast College
 - Associate in Natural Science
 - Dean’s list - 3.86 GPA

LAB WORK AND DATA ANALYSIS:

- Formal Laboratory Training
 - Paleontology and biostratigraphy, sedimentology and stratigraphy, chemistry, mineralogy and crystallography, structural geology, hydrology, geomorphology, physical and chemical oceanography, paleoclimatology
 - Independent Research Project under Dr. Stevens at CSULB and in partnership with the La Brea Tar Pits.
- Research assistant on the Monterey and Related Sediments (MARS) Project
 - Supervisors: Dr. Richard Behl and Ayodeji Israel Aina
 - Duties: Performed sample preparation, and organized processing of an X-ray diffraction analysis service. Trained in X-ray safety and usage.
- Current Thesis: Microplastics in Drinking Water with the Moore Institute for Plastic Pollution. Supervisor: Dr. Win Cowger

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WORK EXPERIENCE:

- Works for Mad Science of Orange County teaching kids about Science in afterschool programs and Summer Camps
- March 2022 – June 2023
- Teaches classes of 12 to 20 children ages 5-12

COMPUTER LITERACY:

- Microsoft Office Suite
- Computer Science in ArcGIS Pro training.
- ArcGIS Online training.
- Set up a server from scratch under the supervision of a professor. Extensive
- Python and R.

LEADERSHIP AND COMMUNICATION:

- Geological Society of America: Participation in monthly meetings
- Q&A Seminars with guest lecturers
- Geologic Writing Course

OUTDOOR EXPERIENCE:

- Field work: ZZYXX Field Training Center, Introduction to Field Petrology & Geological Field Techniques, Spring Field Camp, Summer Field Camp, Mount Trumbull field camp with Dr Sakai
- Numerous recreational backpacking, hiking, and camping trips with family, friends, and classmates.

FLUENCY LANGUAGES:

- English
- Spanish