

Hanyu Wang

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EDUCATION

[B.S. Earth Sciences - UC San Diego]

- Graduation date: March 2018

GPA: 3.756, Marshall College Honors Program

[Summer Session – Cornell University]

- Six-week summer session: Jun – Aug 2015

Studied “Digital Media” and “Evolution”

RELEVANT SKILLS

- Basic MATLAB, GIS skills and proficiency in Microsoft Excel.
- Equipped with field methods including making geological maps, using a compass, and outcrop sketching.
- Proficient with laboratory equipment including spectrophotometry and chromatography columns.
- Fluent in English and Mandarin Chinese.

EXPERIENCE

Researcher, Independent Research Project, SCOOBY LAB

Jan 2017- Jun 2017

Scripps Institution of Oceanography, La Jolla, CA.

- Designed and conducted an independent research project, the first to examine chemical and physical variability in a tide pool colony, north of Scripps Pier, La Jolla, CA.
- Analyzed and summarized 5-year-data collected by myself and former students using MATLAB.
- Developed proficiency with laboratory instruments, AIRICA system (Marianda, Inc.) and an open-cell potentiometric acid (0.1 N HCl) titration system.
- Completed a twenty page research paper summarizing final results and a research proposal.
- Communicated findings and weekly progress to Professor Andreas Andersson.
- Presented in the 2017 Faculty Mentor Program Symposium and participated in Faculty Mentor Program.

Active Project Member, Lotus Project, Engineers for a Sustainable World

Oct 2016 – Jun 2017

University of California, San Diego, La Jolla, CA.

- Built several different physical models for river-filtration purpose under by collaborating with team members.
- Tested physical river-filtration models in SIO run-off system, community pool, and recorded these experiments.
- Proposed suggestions to chemical filtration aspect of the river-filtration models.
- Conducted field trips to San Diego River and Tijuana River Estuary.

Lab Assistant, Professor Lynn Russell Atmospheric Aerosol Group

Oct 2016 – Dec 2016

Scripps Institution of Oceanography, La Jolla, CA.

- Refined air-collecting slides used, which increased the collection efficiency of aerosol impactor.
- Mastered handling 100nm to 200nm membrane slides with tweezers.
- Designed additional mechanical scribing on slide-holders.
- Communicated with mechanics and researchers in a weekly basis.

Lab Assistant and Project Assistant, Professor Paterno Castillo’s Lab

Jan 2016 – Aug 2016

Scripps Institution of Oceanography, La Jolla, CA.

- Prepared rock samples collected from Afar Depression and Main Ethiopian Rift (MER) through dilutions, ultrasonication, and the application of heat from an oven.
- Purified specific elements needed for geochemistry study with column chromatography lab techniques.

ORGANIZATIONS

Active member, **Geoscience Society at SIO**

Oct 2015 – Oct 2016

Active member, **UCSD Circle K**

Mar 2015 – Jun 2015

Volunteer, **San Diego Habitat for Humanity**

Mar 2015 – Jun 2015