

Stanford



Ziyan Wu

Postdoctoral Scholar, Otolaryngology - Head & Neck Surgery

 Resume available Online

Bio

BIO

Ziyan's primary research interest is environmental engineering, especially hydrology, water resources, and sustainable development. Besides, she would like to do some research of big data analysis. In her undergraduate career, she did a hydrology research project of "Development and Update of Rainfall and Runoff Intensity-Duration-Frequency Curves for Arizona State Counties in Response to Climate Change" with Dr. Amin Mohebbi at Northern Arizona University. In this project, she used Matlab and Excel to analysis the 1-minute precipitation data for 60 years. This project combined hydrology, big data analysis, and computer coding. Ziyan is looking forward to doing more combined projects like this for her graduate study.

Besides this project, Ziyan did another project with Dr. Junsxing Ho. The title of the project is "Evaluation of Dust Suppressant Mixed with different types of Soils in Unpaved Road: Lab experiment". Ziyan did sets of lab experiments in this project, and from this project, she is pretty familiar with lab procedures and lab conduction.

HONORS AND AWARDS

- Hooper Undergraduate Research Award (HURA), Northern Arizona University (2017.04)
- Dean's List, Northern Arizona University (2015.12-2018.05)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Wisconsin Madison (2026)
- Master of Science, Stanford University , CEE-MS (2020)
- Fundamental Engineer (FE), National Council of Examiners for Engineering and Surveying , Environmental (2017)
- Bachelor, Northern Arizona University , Environmental Engineering (Water resources, hydrology, geotechnique) (2018)

STANFORD ADVISORS

- Kara Meister, Postdoctoral Faculty Sponsor

Research & Scholarship

PROJECTS

- Development and Update of Rainfall and Runoff Intensity-Duration-Frequency Curves for Arizona State Counties in Response to Climate Change - Northern Arizona University (8/1/2017 - 5/15/2018)
- Evaluation of Dust Suppressant Mixed with different types of Soils in Unpaved Road: Lab experiment - Northern Arizona University (1/1/2017 - present)