

Ziyan Wu

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- **Education:**

Stanford University, CA (2018 to present)

Major in Environmental Engineering;

Northern Arizona University, Flagstaff, AZ (2015 to 2018)

Major in Environmental Engineering;

Dean's List; GPA 3.93;

Fujian University of Technology, China (2014-2015)

Major in Environmental Engineering; GPA 3.89;

Expected Graduation

Date: 05. 2019

- **Project experience:**

1. 2018: National Conference on Undergraduate Research (USA)

- Obtain professional experience of writing papers

2. 2017-2018: Hooper Undergraduate Research Award (HURA) — Development and Update of Rainfall and Runoff Intensity-Duration-Frequency Curves for Arizona State Counties in Response to Climate Change

- Obtain skills of statistical analysis;
- Obtain extensive skills of running WRF model and Linux System;
- Obtain professionally technical reading and writing skills;

3. 2017-2018: Undergraduate Research Assistant – Evaluation of Dust Suppressant Mixed with different types of Soils in Unpaved Road: Lab experiment

- Obtain professional lab experience;
- Attend several state-wide conferences, obtain professional experience of presentation and communication;

4. 2016-2017: Undergraduate Research Assistant – Bending Beam Rheometer (BBR) test of Asphalt Mixtures

- Obtain professional lab experience;
- Obtain professional experience of lab analysis;

- **Paper submission:**

1. 2017 Fall: Poster of “Evaluating Performance of Two Polymer-Based Dust Suppressants Mixed with Two Types of Soil: Lab experiment” was accepted by the student poster competition of 2017 ASCE/ASHE Annual State Conference;

2. 2017 Summer: Manuscript of paper “Evaluation of Co-Polymer Based Dust Suppressant Mixed with Soil in Unpaved Road: Lab experiment” was accepted by GeoChina 2018 conference;

3. 2017 Summer: Manuscript of paper “Evaluation of Polymer-Based Dust Suppressant Mixed with Clayey Soil in Unpaved Road: Lab experiment” was accepted by GeoChina 2018 conference;

- **Professional experience:**

1. 2017-2018: 2018 Pacific Southwest Conference (PSWC): be the activity chair coordinator

2. 2017 ASCE/ASHE Annual State Conference: student poster competition;

3. 2017 Fall: be a volunteer of Festival of Science/NAU Science & Engineering Day;

4. 2017 Summer: pass the Fundamental Engineering (FE) Exam;

5. 2017 ASCE Pacific Southwest Conference (PSWC): student attendee;

6. 2017 Spring: Teaching Assistant of PHI 105 (Introduction to Ethics) at Northern Arizona University;

7. 2016 ASCE/ASHE Annual State Conference: student attendee of NAU student chapter;

8. 2016 Fall: be a volunteer of Festival of Science/NAU Science & Engineering Day;

9. 2016 Fall: be a volunteer of International Orientation at NAU;
 10. 2015-2018: join ASCE student chapter at NAU and be a student member of American Social Civil Engineer (ASCE);
 11. 2015 Fall: be a volunteer of Festival of Science/NAU Science & Engineering Day;
 12. 2014-2015: Be a volunteered tutor in Fujian University of Technology.
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- **Skills Summary:**

- Intensive knowledge of Matlab;
- Intensive knowledge of AutoCAD, Civil 3D, and Revit;
- Intensive knowledge of several hydrological and hydraulic softwares: Bentley WaterGems, CulverMASTER, FlowMASTER, MODFLOW, and ModelMuse;
- Extensive knowledge of Linux System;
- Proficient in Microsoft Word, Excel, and Power Point;
- Strong ability to learn concepts quickly;
- Enthusiastic to work in team;
- Intensive technical writing skills and improved oral skills;
- Relevant courses in Calculus, Chemistry, Biology; Physics, Engineering Design, Environmental Calculation;
- Extensive knowledge of Leadership in Energy and Environmental Design (LEED);