

Yujie Sun

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Education

China-United States Dual Degree Program

Bachelor of Science: Environmental Engineering

Sept. 2011- May. 2013

Northern Arizona University, Flagstaff, AZ

Cum GPA:4.00/4.00

Bachelor of Science: Environmental Engineering

Sept. 2010- July. 2011

Southwest Petroleum University, Cheng Du, China

Rank: 1/58

Experience

Capstone Project: Low-Cost Water Filtration Unit

Northern Arizona University, Flagstaff, AZ

Sept. 2013 – April. 2014

- Locate a contaminated water source in the Bennett Freeze area in Arizona;
- Design a low-cost energy efficient water filtration unit capable of reducing uranium, arsenic, and coliforms;
- Build a bench-scale model.

Research Assistant Volunteer

Environmental Mercury Laboratory, Northern Arizona University, AZ

Sept. 2012 – Nov. 2012

- Analyzed aquatic sediment samples from Nelson Reservoir, Arizona;
- Detected trends in mercury deposition.

Research Assistant

Environmental Mercury Laboratory, Northern Arizona University, AZ

Feb. 2013

- Processed watershed data from a United States Geological Survey reservoir sedimentation study;
- Evaluated erosion rates in the western United States.

Summer Internship

Environmental Mercury Laboratory, Northern Arizona University, AZ

May. 2013 – June. 2013

- Analyzed and interpreted mercury analyses from soil and vegetation samples near Page, Arizona;
- Identified mercury deposition patterns from coal-fired power plant emissions.

Summer Investigation

Panzhihua Water and Wastewater Treatment Plants, Panzhihua, China

July. 2013

- Investigated treatment techniques applied in both water and wastewater treatment plants;
- Learned the specialized program utilized in Control Center in the plants.

Summer Volunteer

Panzhihua Orphanage Institute, Panzhihua, China

August. 2013

- Tutored orphans in fundamental mathematics and English courses.

Skills

Software: AutoCAD, AutoCAD Civil 3D, Visual Basic Program, Screen3 Air Quality Model, Microsoft Office Program (Word, Excel, PowerPoint, Access), Bentley Flow-Master, Visual Hydraulic Evaluation of Landfill Performance (HELP) Model, Gaussian

Language: Fluent in Chinese and English

Extracurricular: Piano (Level-10/10 in amateurs in China) and Saxophone

Memberships & Affiliations

Dean's List, *Northern Arizona University*

Fall. 2011 – Spring. 2013

Member, Badminton Club, *Northern Arizona University*

Fall. 2011 – Fall. 2013

Member, Student Philanthropy Council, *Northern Arizona University*

Fall. 2011– Spring. 2012

Member, American Society of Civil Engineering Student Chapter, *Northern Arizona University*

Fall. 2013

Member, National Engineering Honor Society Tau Beta Pi, *Northern Arizona University*

Fall. 2013