

Natalie Mall

675 Alvarado Ave, Davis, CA 95616 • 209-938-7737 • nkmall@ucdavis.edu

Education

Bachelor of Science, Civil Engineering; University of California, Davis anticipated June 2016

- 3.7 cumulative GPA
- Dean's Honor List: Fall 2012, Winter 2013, Fall 2013, Winter 2015

Courses: Water and Wastewater Treatment System Design, Water Quality Management, Urban Systems and Sustainability, Properties of Materials, Engineering Problem Solving (MATLAB), Spatial Data Analysis, Statics, Fluid Mechanics, Dynamics, Mechanics of Materials, Energy and Environmental Aspects of Transportation

Skills/Strengths

- Proficiency in Word, Excel, PowerPoint, MATLAB
- Working knowledge of AutoCAD and ArcGIS
- Organized, focused, and energetic

Professional Experience

Green Building Assistant, UC Davis Energy Conservation Office **April 2014 – Present**

- Applied for LEED certification of buildings at UC Davis
- Extracted, graphed, and analyzed campus energy usage data
- Worked with the UC Davis Energy Conservation Office in promoting energy conservation across campus

Orientation Leader, UC Davis **March 2013 – September 2013**

- Completed a 10-week training course at UC Davis; studied key components of effective leadership, such as professionalism, presentation skills, working with diverse populations, and teambuilding
- Introduced new first-year and transfer students to the UC Davis campus, presented my personal experiences, and guided them through their first class-registration process

Affiliations

Engineers Without Borders **October 2012 – Present**

- Bolivia Project Manager: January 2015- Present; Board Member: Vice President of Internal Affairs, 2014-Present; Engineering Joint Council Liaison, 2013-2014
- Worked with graduate and undergraduate students on designing a water distribution system which is being implemented in Quincucirca, Bolivia
- Traveled to Quincucirca in September 2014 to monitor the implemented piping system
- Worked on various grant applications to provide funds for the organization's goals

ASCE Environmental Project Team **December 2013 – Present**

- Researched, designed, and constructed a water treatment filtration system for the Mid-Pacific Student Conference
- Tested the water quality and adjusting the design accordingly

Tau Beta Pi, The Engineering Honor Society **November 2013 – Present**

- Selected for being in the top 5 percent of UC Davis engineering students with junior standing

Biosand Filter Design and Development **April 2014 - July 2014**

- Worked with a team of civil engineering students on designing a mold for a cylindrical water filter
- Designed it to successfully reduce the amount of concrete needed to build the container
- Crafted the lightweight mold out of fiberglass, which could potentially be utilized in developing countries

Regents Scholars Society **October 2012 – Present**

- Regent Scholar Recipient and two-year participant in the Integrated Studies Honors Program at UC Davis