

ANGELA WU

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EDUCATION

Carnegie Mellon University, Dec. 2017, Bachelor of Science in Civil Engineering, 3.41/4.00 QPA

WORK EXPERIENCE

Research Assistant, June 2016 – Present

Carnegie Mellon University, Department of Civil & Environmental Engineering

- Conduct experiments to measure footstep vibrations in a senior care facility
- Develop step localization algorithm based on vibrations from different sensors
- Design and implement real-time visualization and spectral analysis system of footstep vibrations using Matlab to monitor activity

Undergraduate Tutor, August – December 2016

Carnegie Mellon University, Department of Civil & Environmental Engineering

- Hold weekly office hours and review sessions for sophomore level Statics course
- Develop and implement semester-long group project of bridge construction

PROJECTS

Alpha Phi Booth, Overall Booth Chair (Project Manager), May 2016 – Present

- Lead 75 people in construction of a two story structure built in the span of one week
- Plan and execute 8-month long schedule using Microsoft Project, manage budget of \$5500, and develop interior and exterior design plans
- Create CAD designs of structural elements using AutoCAD, oversee and ensure safety regulations are met for all designs created

PET Thatch Project (Engineers Without Borders), August 2014 – May 2015

- Designed an automated system to reuse plastic bottles for roofing structures in third-world countries, wrote and awarded the Carnegie Mellon Small Undergraduate Research Grant (SURG) to continue research and development

COURSEWORK

Civil Engineering Projects

Soil Mechanics

AutoCAD

BIM for Construction Project Management

Fluid Mechanics

Geotechnical Engineering

SolidWorks and Laser Cutting

Solid Mechanics

Environmental Engineering

SKILLS

Microsoft Office (Word, Excel, Powerpoint)

AutoCAD

Microsoft Project

MathCAD

HTML

Adobe Illustrator, Photoshop, and InDesign

Matlab

Adobe Acrobat

Python

CSS

EXTRACURRICULAR ACTIVITIES

Static Sound Apparel, Founder & Creative Director, June 2014 – Present

- Founded online store, averaging 200 sales/month with a profit margin over 50%
- Manage finances, order fulfillment and customer service
- Develop creative direction of social media, design products and website layout

Habitat for Humanity, March 2011 – Present

American Society of Civil Engineers, August 2014 – Present