
An inclined, optimistic individual looking to enhance and polish engineering skills by applying them on a professional level.

EDUCATION:

Pennsylvania State University- State College, PA

Expected Graduation May 2016

- Bachelor of Science in Architectural Engineering

GPA 3.11

Palisades High School, Kintnersville, PA

Graduated June 2011

GPA 3.55

ACADEMIC EXPERIENCE:

Studio Design Project (Rome, Italy) - Project design team was faced with the task of developing an art/sculpture museum with an urban area across the street (Piazza Della Moretta). Structure, natural daylighting, building layout and culture adaptability were several aspects under consideration. (6 week studio)

Solar House Project - Worked with group to develop and design two, three-story apartments to be located in China while taking into consideration: solar aspects, efficiency, climate and Chinese tradition

Toothbrush Redesign Project - Worked with group to reverse engineer and redesign a toothbrush to increase performance and quality

Solar and Wind Power Project - Used combination of wind and solar power systems to develop and power a mock, self-sustaining cell-phone base station

COMPUTER SKILLS:

SAP 2000 / Risa 2D / STAAD.PRO / ETABS / AutoCAD / Microstation / Revit / SketchUp / Microsoft Office

WORK EXPERIENCE:

Structural Intern, Jacobs Engineering Group, Conshohocken PA

05/2015-08/2015

- Researched & interpreted the Eurocode and Swedish wind code in order to calculate wind pressures & forces, determined canopy wind loads and approximated bracing sizes needed for lateral support
- Prepare pipe support drawings for permit
- Use engineering skills to assist professional engineers with their tasks

Farm Hand, Mease Hay Farm, Kintnersville PA

06/2007-08/2014

- Maintain/feed animals daily, perform field work, maintain large equipment, cut grass and stack/deliver hay

Administrator, Publicity Room at Penn State Behrend, Erie, PA

12/2011-5/2013

- Assist individuals/clubs with advertising and publicity assistance and updating website calendar
- Send out text messages to all members of clubs about weekly social events

Handyman for Scott Nicholas, Perkasi, PA

03/2008-08/2012

- Perform various deeds: maintain grass, power-wash house and shed, mulch flowerbeds, blow and rake leaves and stack firewood

LEADERSHIP EXPERIENCE:

Treasurer, Habitat for Humanity

August 2015-Present

- Collect dues and deposit checks into ASA account, perform check requests and purchase orders

Habitat for Humanity Community Service Projects

Spring 2015

- Week-long build trip (65 members total, 14 from PSU) in Fort Lauderdale, FL and worked on a smaller crew which was responsible for framing windows so that drywall could be installed (March 2015)
- Weekend remodel trip (10 members) in Burlington County, NJ, helped install insulation (Feb 2015)

Treasurer, Lambda Sigma Honor Society

Spring 2012-Spring 2013

- Perform service activities and raise money to donate to charity
- Perform all duties related to monetary transactions, banking and accounting
- Responsible for creating monthly reports and detailing using spreadsheets

Attendee, Leadership Conference, Erie, PA

Jan 2012 & 2013

- Attended leadership and academic sessions to gain a better understanding of what a true leader is
- Learned strategies from guest speakers on how to break out of my comfort zone

HONORS AND AWARDS:

- Borda & Fernsler Families Trustee Scholarship Recipient

Fall 2014-Spring 2015

- Benjamin A. Gilman Scholarship Recipient

Summer 2014

- Member of Habitat for Humanity

Fall 2014-Present

- Member of the Structural Engineers Association (SEA)

Fall 2013-Present

- Member of the Student Society of Architectural Engineers (SSAE)

Fall 2013-Present

- Penn State University Deans List

Fall 2013, Fall 2011