

Adam Pollack

2002 Maple Ave Apt 2F, Evanston, IL 60201
(C) 862-812-8686 apollack11@gmail.com

Education

Northwestern University, Evanston, IL September 2017

- Master of Science in Robotics
- Courses Include: Embedded Systems in Robotics, Computational Geometry, Theory of Machines, Robotic Manipulation

Lehigh University, Bethlehem, PA August 2012-May 2016

- Bachelor of Science in Mechanical Engineering, GPA: 3.56
- Honors: Dean's List, Tau Beta Pi Engineering Honor Society

Experience

Software Developer, GreekPillar May-August 2016

- Designed and built a responsive UI for the platform using AngularJS
- Used HTML/CSS and AngularJS to develop a dynamic form designer
- Employed AngularJS services to connect data from a Robomongo database to the front end

Co-Op Engineer, RathGibson August-December 2014, May-August 2015

- Conducted research to help the company better understand the properties of their tubing product
- Modeled tubing sample behavior under increasing internal pressure using strain gage data
- Formulated an equation to model the burst pressure of a tube based on burst test results
- Researched and purchased a new apparatus for collapse testing tubing samples
- Utilized Excel VBA to automate spreadsheets to display distributions of data

Tutor, *Center for Academic Success*, Lehigh University Fall 2013, Fall 2015-Spring 2016

- Tutored individuals and groups of students in physics and computer science

Projects

Shape Stream, Android and iOS Mobile Game Spring 2016-Present

- Created a cross-platform application for both Android and iOS using Java
- Built on the LibGDX game engine and ported to iOS using RoboVM
- Won the Mobilehigh game competition at Lehigh University

Interior Wall Imaging, *Integrated Product Development*, Lehigh University Spring 2015-Fall 2015

- Worked to find a solution to map obstructions within a wall to provide a path for a robot
- Used Matlab to gather signals from current wall scanning technologies
- Presented information regarding market research and product mock-ups to a panel

Leadership

Vice President, *Phi Delta Theta PA Eta*, Lehigh University Spring 2015-Fall 2015

- Served as chairman of the chapter Officer Council and Executive Committee
- Oversaw all internal operations and organized the committee structure of the chapter

Orientation Leader, Lehigh University Fall 2013

- Facilitated discussions with incoming students about college life
- Participated in five days of training designed to improve leadership skills