

DANIELLE HU

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CONTACT:

Current Address:

Carnegie Mellon University
SMC 3822
Pittsburgh, PA, 15289

Permanent Address:

2707 Timacqua Drive
Holiday, FL, 34691

SKILLS:

Programming:

Python	HTML
C	CSS
Javascript	SQL

Adobe Creative Cloud:

Illustrator	Lightroom
Photoshop	

Other: Arduino

EDUCATION:

Carnegie Mellon University
Pittsburgh, PA | May 2018
GPA 3.19/4.00

Bachelor of Science in
Electrical and Computer
Engineering

EXPERIENCE:

Quadrotor StuCo & Quadrotor Project

Carnegie Mellon University Robotics Club
September 2014 - Present

- > Taught students how to create their own Quadrotors. Used tools such as CAD Software, 3D Printers, laser cutting
- > Currently creating an educational kit to deploy to high school students to engage learning in robotics and programming

Protolab Undergraduate Research Project

CMU's Human Computer Interaction Institute
September 2015 - Present

- > Currently involved with web development of a presentation feedback tool, Peer Presents
- > Using NodeJS as a framework and MongoDB as a database

SPIRAL Undergraduate Research Project

CMU's Electrical and Computer Engineering
February 2015 - May 2015

- > Analyzed power efficiencies of multiple devices (desktops and the Raspberry Pi) by measuring elements such as clock frequencies while the devices ran GPU/Memory intensive tests.

PROJECTS:

Philly Home Finder

Pennapps - 36 Hour Hackathon
September 5 - 7, 2015

- > Created a web application that took civil data from Philadelphia, and based on parameters set by the user, mapped priorities of neighborhoods based on those set parameters.
- > Worked on the UI & UX of the application using HTML, CSS, Flask, and Google Maps API

The Piaino

Build 18 - Week Long Hackathon
January 11, 2015 - Present

- > Created wearable gloves that played piano in the air
- > Implemented with flex sensors and the Arduino Uno to produce tones at certain frequencies.

Wiki-Gen

Personal Project
July 2015 - Present

- > Created a web application that randomly generates Wikipedia articles using Markov Chains. Used SQLite to interact with the database of n-grams, and Flask for framework

ACTIVITIES:

Society of Women Engineers (August 2014 - Present) - Chapter Member

Women in Electrical and Computer Engineering (August 2015 - Present) - Chapter Member

The Tartan - School Newspaper (January 2015 - Present) - SciTech Writer & Photographer

Project Ignite - High School Mentoring Initiative (September 2015 - Present) - Project Manager

WEBSITE: <http://www.daniellehu.com>