DANIELLE HU

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CONTACT:

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EDUCATION:

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

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 Piairno
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

SKILLS:

Programming Languages:	Python	C	Javascript	SQL
Web Development:	Node.js	Flask	HTML	CSS
Creative Cloud:	Illustrator	Lightroom	Photoshop	InDesign

ACTIVITIES:

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