

DANIELLE HU

Carnegie Mellon University
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Bachelor of Science
Electrical and Computer Engineering &
Human Computer Interaction

Carnegie Mellon University
SMC 3822
Pittsburgh, PA 15289

Experience:

Microsoft Corporation (Explorer Intern) May 31 - August 19, 2016

- Designed, developed, and measured an internal bug tracking Extension for Microsoft Edge
- Rotated between the roles of Program Manager, Software Developer, and Quality Assurance

Quad Academy (Project Manager) Sept 2014 - Present

- Taught students how to create and design Quadrotors using CAD Software, 3D Printers, and laser cutters
- Developing an educational kit to deploy to high school students

Protolab (Software Developer and Undergraduate Researcher) Sept 2015 - May 2016

- Developed and adapted a classroom peer feedback system on a weekly basis using Node.JS
- Deployed peer feedback system to over 90 students and received over 6000 feedback comments

Projects:

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 server-side interactions.

Philly Home Finder (Pennapps - 36 Hour Hackathon) September 5 - 7, 2015

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

Ahma (Entrepreneurship Project) October - December 2015

- Developed a business plan for a startup, researched markets, and designed the product to match market conditions by focusing on agile software development.

Skills:

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

Activities:

Project Ignite - High School Mentoring Initiative (September 2015 - Present) - Project Manager
The Tartan - School Newspaper (January 2015 - Present) - SciTech Writer & Photographer
Society of Women Engineers (August 2014 - Present) - Chapter Member
Women in Electrical and Computer Engineering (August 2015 - Present) - Chapter Member