

# 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:

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

## 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