

## Experience

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**Apple** Software Engineer – Cupertino, CA Summer 2018

- Designing and developing the smart home ecosystem in Home on iOS and HomePod

**U.S. Securities and Exchange Commission** Policy Intern – Washington, DC Fall 2017

- Assisted redesign of EDGAR financial disclosure system, determining project features and legal compliance
- Wrote memos and presentations to advise Commission on modern cybersecurity and technology policy

**Apple** Software Engineer Intern – Cupertino, CA Summer 2015, 2016, 2017

- Developed and released the Home app in iOS 10 and 11, selected to present project to SVP of Software

## Education

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**Carnegie Mellon University** – Pittsburgh, PA Fall 2014 – Spring 2018

- B.S. with University Honors in Electrical & Computer Engineering, International Relations & Politics
- Awards: Phi Beta Kappa honor society (2018), University Honors (2018), Dean's List (2015–2018)
- Activities: Student Senate (Vice President, Business Affairs Chair), Engineer Student Council, Astro Club

## Research

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**NASA Mars Ice Challenge** Tartan Ice Drilling System Fall 2017 – Spring 2018

- Team lead for developing computing and control systems for water extraction from Martian subsurface ice
- Awards: Finalist, awarded \$10,000 to build and present a prototype to NASA scientists (2018)

**CMU WiSE Lab** Policy Implications of Scaling Low-Power Wide-Area Networks Spring 2017

- Determined best policy practices and technical solutions to scale wireless networks across the U.S.

## Projects

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**Virtual Monitor** Spring 2018

- Transforms any projected computer screen into an intuitive touchscreen device using live depth sensing

**Carnegie Mellon Fair Ranked Voting** Fall 2016 – Spring 2017

- Reference implementation of the single transferable vote system used for student government elections
- Awards: Carnegie Mellon SOAR Award for Outstanding New Initiative (2017)

**Felix** Fall 2014

- Intelligent computer personal assistant with speech recognition and text-to-speech abilities
- Awards: Carnegie Mellon 15-112 Project Showcase: Second Place (2014)

**myRPS** Fall 2012 – Spring 2015

- iOS app developed to allow direct communication from schools to families following Hurricane Irene
- Awards: Congressional App Challenge Winner (2014), Milton Fisher Scholarship for Innovation (2014)

**Technical Skills:** Objective-C, Swift, C++, C, Python, Java, SystemVerilog, HTML5, LaTeX, R, ARM