

Employment

Apple Inc. Software Engineer **Summer 2018**

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

U.S. Securities and Exchange Commission Policy Intern **Fall 2017**

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

Apple Inc. Software Engineer Intern **Summer 2015, 2016, 2017**

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

Education

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

- B.S. in Electrical & Computer Engineering, International Relations & Politics
- Activities: Student Senate Executive Committee, Engineering Student Council, Elections Board
- Awards: College of Engineering Dean's List (2015, 2016)

Research

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

- Designed and built computing and control systems for water extraction from Martian subsurface ice
- Awards: Finalist, awarded \$10,000 stipend 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.

Leadership

CMU Student Senate Senator, Chair of Committee on Business Affairs **Fall 2016 – Spring 2017**

- Developed initiative system for legislation, redesigned campus voting system, improved student engagement

CMU Engineering Student Council Committee Member **Fall 2015 – Spring 2018**

- Planning and executing events to strengthen the engineer community socially and academically

Projects

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, Python, Java, SystemVerilog, HTML, LaTeX, R, MATLAB, ARM