

# Christopher V. Smith

## ELECTRICAL AND COMPUTER ENGINEER

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## Education

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### Carnegie Mellon University

Pittsburgh, PA

M.S. IN ELECTRICAL & COMPUTER ENGINEERING

Class of 2019

B.S. IN ELECTRICAL & COMPUTER ENGINEERING, MINOR IN SOCIAL & POLITICAL HISTORY

Class of 2018

- GPA: 3.4 / 4.0
- Select Coursework: Operating System Design and Implementation, Advanced Mobile Robot Development, Jazz Orchestra, Embedded Real-Time Systems, Introduction to Telecommunication Networks, Independent Study in Computer Science Pedagogy
- Skills: Embedded Systems, C, Python, C++, Assembly, GDB, French, Jazz

## Employment

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### Cisco Meraki

San Francisco, CA

MEMBER OF TECHNICAL STAFF, INTERN

Summer 2017

- Developed vMX for Microsoft Azure, an in-demand virtual version of Meraki's security appliance that enables customers to extend Auto VPN and SD-WAN into their cloud deployments.
- Wrote C++, shell scripts, and Makefiles to build new version of the MX firmware, inject custom data into an Azure VM, and authenticate the vMX to the Meraki Dashboard.
- Handled logistics with Azure representatives to package and list the virtual machine in the Azure Marketplace.

### CMU ECE Department

Pittsburgh, PA

TEACHING ASSISTANT FOR 18-349 EMBEDDED REAL-TIME SYSTEMS

Spring 2017

- Contributed to course material for advanced engineering class dealing with embedded architectures, device interaction, concurrency, and real-time principles using the Raspberry Pi, ARM Assembly, and C.
- Taught recitations and held office hours for 80+ students to review challenging concepts, labs, and developer utilities.

### Boeing Defense, Space & Security

Ridley Park, PA

H-47 CHINOOK MISSION SYSTEMS STUDENT ENGINEER

Summer 2016

- Worked alongside veteran software engineers in the tandem rotor, heavy-lift helicopter's avionics group.
- Improved simulator fidelity by adding graphics to cockpit displays.
- Created visualization tools for millions of lines of aircraft debugging data from customers.

### Accolade

Plymouth Meeting, PA

ENGAGEMENT TECHNOLOGY INTERN AT FAST-GROWING HEALTHCARE SERVICES STARTUP

Summer 2015

- Slashed customer support calls by 20% by improving the client portal's help form.
- Created process-improving tools and automated testing suites to evaluate database reliability and webapp performance.

## Extracurriculars

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### All University Orchestra

Carnegie Mellon

PRESIDENT AND STRING BASSIST IN STUDENT-RUN CLUB ORCHESTRA

Spring 2016 - Spring 2017

- Previously Vice President (May 2015 - Apr. 2016) and Publicity Chair (Jan. 2015 - Apr. 2015.)
- Organized several ensembles totaling 100+ musicians for dozens of rehearsals and several concerts each semester.
- Coordinated performance venues, social events, conductors, and funding.

### Delta Tau Delta Fraternity, Delta Beta Chapter

Carnegie Mellon

GREEK SING CO-CHAIR AND ROAD COMMITTEE CHAIR

Fall 2016 - Present

- As Greek Sing Co-Chair, arrange music, organize rehearsals, and direct band for performance at large annual philanthropy event featuring members of the CMU community performing 15-minute adaptations of musicals.
- As Road Committee Chair, create events for member development and education regarding alumni networking, mental and physical wellness, and professional skills.