

# Christopher V. Smith

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chrissmith.tech | chris@chrissmith.tech | 267-274-7003 | linkedin.com/in/chrisvsmith | github.com/cvsmith

## ACADEMICS

### Carnegie Mellon University | Pittsburgh, PA | May 2018

- Bachelor of Science in Electrical and Computer Engineering
- Select Coursework: Independent Study in Computer Science Pedagogy, Principles of Imperative Computation, Structure and Design of Digital Systems
- Cumulative QPA: 3.34/4.00

## SKILLS AND TECHNOLOGIES

- Agile Methodologies, Python, C, JavaScript, Java, Flask, CentOS, PostgreSQL, DynamoDB

## EXPERIENCES

### Carnegie Mellon All University Orchestra | Pittsburgh, PA | August 2014 – Present

- Vice President (May 2015 – Present), Publicity Chair (January 2014 – May 2015)
  - String bassist in club orchestra that performs every semester
  - Coordinate space reservations, rehearsal scheduling, guest musicians, and recognition as an official organization

### Accolade, Inc. | Plymouth Meeting, PA | May 2015 – August 2015

- Intern with the Engagement Technology Group, a Scrum team focused on engaging clients with Accolade's care
  - Created process-improving tools that run database sync jobs and grant access to services for new members of the team
  - Wrote automated testing suites using Selenium WebDriver and REST Assured that catch bugs before they affect clients
  - Decreased outbound customer support calls by 20% by improving the client portal's help form

### Lower Moreland High School Mini-THON | Huntingdon Valley, PA | Ma 2012 – June 2014

- Co-Captain of Tech Committee for Lower Moreland branch of Penn State's THON, managing all technical setup for events
  - Helped school raise over \$200,000 for the Four Diamonds Fund to fight pediatric cancer

## PROJECTS

### Melody| PennApps | Philadelphia, PA | September 2015

- Team developed mobile-friendly web app that converts pictures of users' drawings on paper into music using OpenCV, Mingus, MIDI, PyDub, Azure, and Flask. Featured as a Devpost Staff Pick

### #drivearobot | HackIllinois | Urbana-Champaign, IL | February 2015

- Team designed, 3D-printed, constructed, and programmed Twitch-Plays-Pokémon-style robot that users can collaboratively control using Twilio's API, Mailjet's API, Flask and Arduino

### Opti | Hack-A-Startup | Pittsburgh, PA | February 2015

- Team created automatic meeting scheduler that scans users' calendars and displays times when all are free on a given day using Google Calendar's API, RethinkDB, Heroku, and Flask

### KosBeat | Computer Science Term Project for 15-112| Pittsburgh, PA | December 2014

- Developed music generator that creates loops of sound from a user's on-screen geometric creation using Tkinter, PyGame, and Audacity

## ACTIVITIES

### Carnegie Mellon Jazz Orchestra | Pittsburgh, PA | January 2015 – Present

- Bassist in auditioned ensemble that performs several times a semester in and around Pittsburgh

### Carnegie Mellon Rocket Command | Pittsburgh, PA | August 2014 – Present

- Design, construct, and launch model rockets with laser cutting and to accomplish various goals
  - Team placed first in egg launch competition (April 2015)

## HONORS AND AWARDS

- Faith Endowment Scholarship for Academic Excellence (June 2014)
- LMHS Student of the Month for Character (February 2014), for Academic Excellence (March 2011)
- National Merit Commended Student (September 2013)
- Xerox Award for Innovation and Information Technology (April 2013)
- Pennsylvania Music Educators Association Region VI Band: First-Chair String Bass (March 2013)
- James J. Doyle Oral Proficiency Contest: 2<sup>nd</sup> Place, French (February 2011)