

# Christopher V. Smith

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## Academics

### **CARNEGIE MELLON UNIVERSITY | PITTSBURGH, PA | AUGUST 2014 - MAY 2018**

- Bachelor of Science in Electrical and Computer Engineering
- Select Coursework: Principles of Imperative Computation, Independent Study in CS Pedagogy (with Profs. Kosbie and Stehlik)
- Cumulative QPA: 3.34/4.00

### **LOWER MORELAND HIGH SCHOOL | HUNTINGDON VALLEY, PA | SEPTEMBER 2010 - JUNE 2014**

- Salutatorian
- Unweighted GPA: 3.95/4.00

## Skills

- Python, Django, Arduino, Java

## Projects

### **#DRIVEAROBOT | URBANA-CHAMPAIGN, IL | FEBRUARY 2015**

- HackIllinois: Designed, 3D-printed, and programmed robot that users can collaboratively control in Twitch-Plays-Pokémon style using SMS or email with team of 4 in 36 hours. Used Arduino, Flask, Twilio, and Mailjet

### **OPTI | PITTSBURGH, PA | FEBRUARY 2015**

- Hack-A-Startup: Created automatic meeting scheduler in Flask using Google Calendar API with team of 8 in 36 hours

### **CM-YUM | PITTSBURGH, PA | FEBRUARY 2015**

- TartanHacks: Developed student-run, crowdsourced campus food delivery webapp in Django with team of 4 in 24 hours

### **KOSBEAT | PITTSBURGH, PA | DECEMBER 2014**

- Designed and developed a geometric music generator in Python that creates loops of sound from a user's on-screen creation

## Experiences

### **LMHS TECHNICAL SERVICES | HUNTINGDON VALLEY, PA | SEPTEMBER 2010 - JUNE 2014**

- Responsible for setup and operation of lighting and sound equipment for school and community events.
  - Co-Captain of Tech Committee for LMHS Mini-THON (May 2012 - June 2014), helped school raise over \$200,000 for the Four Diamonds Fund to fight pediatric cancer
  - Tech Crew: Student Director (September 2013 - June 2014), Lighting Director (September 2012 - June 2014)

### **PENN ENGINEERING SUMMER ACADEMY ROBOTICS PROGRAM | PHILADELPHIA, PA | JULY 2013**

- Designed, constructed, and programmed ball-firing robot tank in intensive 3-week program. Team placed 3<sup>rd</sup> in competition

## Activities

### **MUSIC | SEPTEMBER 2010 - PRESENT**

- Bassist in CMU All University Orchestra and Jazz Orchestra
  - Vice President (May 2015 - Present), Publicity Chair (August 2014 - May 2015) of All University Orchestra
- Pennsylvania Music Educators Association Region VI Band: First-Chair String Bass (March 2013)

### **CARNEGIE MELLON ROCKET COMMAND | AUGUST 2014 - PRESENT**

- Construct model rockets for launches twice a semester. Team placed first in egg launch competition (April 2015)

### **LMHS TECHNOLOGY STUDENT ASSOCIATION | FEBRUARY 2013 - MARCH 2014**

- Founder and captain of TSA TEAMS math and engineering competition team. Team placed 3<sup>rd</sup> nationally in division

### **LMHS YEARBOOK | APRIL 2013 - JUNE 2014**

- Co-editor of the yearbook, director of photography and design. Achieved American Scholastic Press Association 1<sup>st</sup> place

## Honors and Awards

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