

Work Experience

- **Perceptual Networks:** perceptualnet.com, Northern Liberties, Philadelphia Summer 2012 - Present
Development Intern. Used to Rails to develop and testing the companies highly scalable core platform.
- **RentACTO:** pennrentacto.com, Philadelphia, Pennsylvania Fall 2011 - Present
Co-founder and consultant. We give technical advice primarily to our clientele who want to start startups and consult on things like technical feasibility, how to minimize MVP cost, and drafting initial specs.
- **Gobbler:** gobbler.com, Los Angeles, California Summer 2011 - Present
Developed an online inbox using Rails to track and organize mentions of specific keywords (namely the company name) on Twitter, forums, and the larger internet. I am now developing their Android app.
- **Kod*lab Robotics Lab**, University of Pennsylvania Summer 2010
Paid Internship. Implemented a GPS plotting system in the open source map-caching program GMapCatcher. The system tracks lab robots on a satellite map. (Python, GTK, and Dynamism)

Technical Expertise

- Ruby, Python, C, C++, Objective-C Java, LabVIEW | HTML, CSS, JavaScript
Rails, Django, JQuery, Backbone, Google App Engine, Android, iOS

Education

University of Pennsylvania, School of Engineering & Applied Science, Philadelphia PA

- B.S.E in Computer Engineering, May 2013
- Cumulative GPA: 3.16
- Relevant Coursework: Senior Design, Operating Systems, Scalable Web Systems, Networking, Software Engineering, ICT4D (Grad School of Ed), Algorithms, Computer Architecture I & II, Java & Python, Embedded Systems, Digital Logic, Circuit Level Modeling, Circuits & Systems, Digital Audio, Engineering Entrepreneurship, New Product Development, Calculus III, Probability, Discrete Math, Mechanical Prototyping, Nanotechnology.

The Haverford School, Haverford PA (*high school*)

- Cumulative GPA 4.0, inducted into the Cum Laude Society (top 7% of class)
- Relevant Activities: President and Chief Programmer of the Haverford FIRST Robotics Team ('07-'09), SAAST Robotics Program at The University of Pennsylvania ('07)

Projects:

- **Senior Design Project:** Building a platform that can “spit out” dynamically generated services for organizations in emerging economies. September 2012 - Present
- **TextTheChange.org:** Allows organizations to easily allow their constituents to send prewritten emails to their elected representatives via mailto links & sms. March 2012 - Present
- **git.to/switchr:** Home automation from your iPhone. I developed a webapp and REST API in Rails to communicate with an MBED microcontroller. The MBED was connected over a Websocket to a Node server that was connected to a Ruby On Rails server. My Partners developed the iPhone and built the physical circuit. Dec 2011
- **MinimalistMail.com:** I wrote a Chrome extension that forces you to keep your Gmail messages less than 500 characters or else the send button disappears. Built with Javascript with JQuery. Feb 2011
- **WiiConductor.com:** Conduct the tempo and the volume of a piece with a Wii Remote. Built at TechCrunch Disrupt Spring 2011 using Java, AppleScript, & GarageBand.
- **Instantly Together:** A Social Media Application Sept 2010 – May 2011
Co-developed a smartphone application allows friends to quickly coordinate last minute activities by telling you which of your friends are free. Developed the backend in Django.

Extracurriculars

- **PennApps.com:** Semi-annual Hackathon, Co-organizer Spring 2011 – Present
First of its kind at Penn and it is the largest student run hackathon in the US.
- **Engineering Startup Mentorship Program** (internship.staticloud.com): Spring 2012 – Present
A solution to Wharton Seeks Code Monkey. We pair startups with professional mentors, and mentees.
We accepted a total of 6/36 startups paying \$30,000 to 8/155 accepted engineers applicants and 8 professional mentors mentoring the mentees and guiding the startups.
- **The Dining Philosophers:** Penn's Computer Science Group, Board Member Winter 2010 - Present
- **Philadelphia Immigrant Mentoring Collaborative:** Summer English tutoring Winter 2009 - 2011
Program geared towards immigrant youth, Co-Founder & Organizer
- **Chinese Students' Association:** Community Service Chair Winter 2009 – Spring 2011
- **Music Composition:** PA Music Teachers Composition Competition, 1st Place Winner ('07) 2004 – Present