

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

Java•Python•Javascript•Scheme

FRAMEWORKS / STACKS

Flask•LAMP Stack

FRONT-END DEVELOPMENT

HTML5•CSS3•Javascript,JQuery•AJAX

TOOLS / UTILITIES

BASH•Git•SVN•GNU EMACS

EDUCATION

University of Washington, Seattle

Seattle, WA

Attended from 2015 - 2019 (Projected)

TROY HIGH SCHOOL

Fullerton, CA

Attended from 2011 - 2015

COURSEWORK

TROY HIGH SCHOOL

Advanced Placement Courses

Computer Science • English • US History •
Physics B • Calculus AB/ BC • Economics •
Government • Literature

ACHIEVEMENTS

2015 - Finalist, AngelHack Seattle

2015 - First Place, Dave Wittry

Memorial Programming Competition

2015 - First Place, California State

Los Angeles ProgFest

2015 - Top 30 of 300+ projects,

PennApps Winter 2015

2014 - Top 20 out of 120+ projects,

HackPrinceton Fall 2014

2014 - Winner, Improving MIT Award,

MIT BitComp 2014

**2014 - National Merit Commended
Scholar**

2014 - First Place, Science Olympiad

National Tournament • Member of

Troy High Science Olympiad Team

2013 - Part One / Part Two Winner,

IBM Master the Mainframe

Competition

2013 - Second Place, Dave Wittry

Memorial Programming Competition

2013 - Second Place, California State

Los Angeles ProgFest

EXPERIENCE

University of Washington CSE Wireless Lab

Research Assistant

June 2015 - Present | Seattle, WA

- Working with ambient backscatter to wirelessly power devices and embedded systems.

MIT CSAIL INFOLAB GROUP

Research Assistant

June 2013 - September 2014 | Cambridge, MA

- Worked with the START Natural Language Processing System and its backend, Omnibase.
- Wrote Scheme scripts to dynamically extract JPL and U.S. Election Atlas data for use in Omnibase.

UCSB BREN KELLER LAB

Research Assistant

June 2014 - July 2014 | Santa Barbara, CA

- Developed models to predict and model hydraulic fracture propagation in porous shale formations.

SOFTWARE PROJECTS

BITSTATION | Winner of MIT Bitcomp Improving MIT Award

Summer 2014 | An online Bitcoin wallet for MIT Students

- Features certificate login, address books, and transaction annotation to promote peer-to-peer transactions among MIT students.
- Developed with Ruby on Rails in the span of 1 month.

MYODRONE | Top 30 / 300+ projects, PennApps Winter 2015

January 2015 | An intuitive method of wearable drone control.

- Team lead role with focus on back-end development.
- Used the Thalmic Labs Myo armband and arm gestures to control a Parrot Drone with 8 degrees of movement.

FALANGAFONE | Top 20/120+ projects, HackPrinceton Fall 2014

November 2014 | An gesture-controlled music editing tool.

- Used the Leap Motion to enable live editing of .mp3 and other sound files via finger and hand gestures.
- Developed a Flask backend as well as a web front-end for the application, used the Pyo library to modify music on the fly.