



education

Stanford University, class of 2020 | Computer Science, 4.15/4.3

courses

CS 106B, Programming Abstractions
CS 106S, CS + Social Good
CME 100, Vector Calculus for Engineers
ENGR 40M, Intro to EE

activities

Student Space Initiative, balloons team
- Rails developer for mission control website
- embedded software engineer for ValBal system
Women in Computer Science, frosh intern
Girls Teaching Girls to Code, tutor
Cardinal Ballet Company, dancer

projects

Cofounder and iOS developer, **Mezzo**

08.2014 - 01.2016

- Designed and deployed food donation iOS app, tested by Tri-City Volunteers food bank
- Learned Swift and Xcode, Parse, and iterative design process in three months
- Won "Best Civic App" award at iOSDevCamp hackathon

Engineer, **self-balancing robot**

06.2014 - 07.2014

- Built, wired, and programmed remote-controlled, mini segway robot
- Worked with Arduino Due and six-DOF IMU; custom nested PID controllers for balancing

experience

Teaching Assistant, **Bluestamp Engineering**

06.2016 - 07.2016

- Guided 30 high school students through intensive summer engineering program
- Debugged robotics projects, like gesture-controlled 3D printed hands, obstacle avoiding cars

Team Captain, **FIRST Robotics Team 1700**

06.2015 - 05.2016

- Managed 30 members of all-girls robotics team to build 120-pound robot in six weeks
- Programmed robot's omnidirectional, low jerk drivetrain; used OpenCV for robot vision
- Won Engineering Inspiration Award for advancing STEM in our community

Marketing and Software Intern, **GoVoluntr**

08.2013 - 08.2015

- Designed and built online tutorial for nonprofit users; used HTML, SCSS, jQuery
- Managed Facebook, video, and flyer campaign to spread GoVoluntr to local high schools

skills

software

Java ○ ○ ○
C++ ○ ○ ○
iOS, Swift ○ ○ ○
HTML, CSS ○ ○ ○
Ruby, Rails ○ ○ ○
Github ○ ○ ○
Matlab ○ ○ ○

hardware

Arduino
Particle Photon (IoT)
XBee wireless
3D printer, laser cutter
drill press, bandsaw

other technical

data analysis
Sketch (graphic design)
Final Cut Pro X (video)
Keynote (slide decks)

awards

National Merit Scholarship
Class Valedictorian
NCWIT Aspirations in Computing, winner
Congressional Student App Competition winner

hobbies

ballet, contemporary
tinkering
dried fruit
jumping!