



## education

Stanford University, class of 2020 | Computer Science, 4.12/4.3

### courses

CS 107E, Computer Systems from Ground Up  
CS 106B, Programming Abstractions  
CS 106S, CS + Social Good

ENGR 40M, Intro to EE

### activities

Section Leader (TA) for CS 106 intro classes

Student Space Initiative, balloons team

- Rails developer for mission control website
- embedded software engineer for ValBal system

Cardinal Ballet Company, publicity and media

## experience

### Software Engineering and Design Intern, **TalkingPoints**

06.2017 - 09.2017

- Built translation crowdsourcing web and mobile app with Meteor, React, Cordova
- Handled 20 translators, 3000+ messages through the app in six weeks
- Designed print, digital materials: promotional flyers, stickers, landing page, illustrations

### Teaching Assistant, **Bluestamp Engineering**

06.2016 - 07.2016

- Supported 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

## projects

### Cofounder and iOS developer, **Mezzo**

08.2014 - 01.2016

- Developed and deployed food donation iOS app, tested by Tri-City Volunteers food bank
- Won "Best Civic App" award at iOSDevCamp hackathon

### Engineer, **self-balancing robot**

06.2014 - 07.2014

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

## skills

### software

proficient in:

C++, Java

Meteor JS, React

HTML, CSS

Github

experience with:

C, Python

Matlab

### hardware

Arduino, Raspberry Pi

Particle Photon (IoT)

XBee wireless

3D printer, laser cutter

drill press, bandsaw

### other technical

Sketch (graphic design)

JMP (data analysis)

Final Cut Pro X (video)

Keynote (slides, animation)

## awards

Stanford CS+Social Good  
Fellow

National Merit Scholarship

Class Valedictorian

NCWIT Aspirations in  
Computing, winner

## hobbies

ballet, contemporary

tinkering

dried fruit

theoretical physics