claire huang

16chuang@gmail.com
16chuang
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650.678.1642

1343 De Soto Ave.
Burlingame, CA 94010

Stanford University
Class of 2020
Major: Computer Science
GPA: 4.15

objective

To get a summer internship in software engineering or robotics.

skills

programming: iOS dev and Swift, Java, Python, HTML, CSS, Meteor JS, Github

hardware: Arduino, Particle Photon, XBee wireless modules, NI RoboRIO, IMUs

technical skills: data analysis (JMP, Python, Microsoft Excel), graphic design (Sketch, Keynote), video editing (Final Cut Pro), slide decks (Keynote)

jobs

06.2016 - 07.2016

Teaching Assistant, Bluestamp Engineering
- Guided 30 high school students through a six-week summer engineering program
- Helped debug primarily robotics-related projects, such as gesture-controlled 3D-printed hands and obstacle-avoiding cars

08.2013 - 08.2015

Intern, GoVoluntr
- Learned basic web development with Ruby on Rails
- Led awareness campaign to spread GoVoluntr through Facebook marketing, video
- Designed and created online tutorial for nonprofits users

experience

08.2014 - 01.2016

Co-founder and iOS developer, Mezzo
- Designed and coded food donation iOS app from paper prototype to App Store
- Worked closely with Tri-City Volunteers food bank to refine and simplify user experience
- Won Best Civic App Award at iOSDevCamp hackathon

01.2013 - 04.2016

Team Captain, FIRST Robotics Team 1700
- Manage 30 members of all-girls robotics team; build a 120-pound robot in six weeks
- Programmed robot's omnidirectional, low jerk drivetrain and PID controlled mechanisms
- Wired robot's motor controllers and sensors; worked with OpenCV for robot vision
- Received Engineering Inspiration Award for advancing STEM in our community

06.2014 - 07.2014

Engineer, self-balancing robot
- Built, wired, and programmed a remote-controlled, self-balancing, mini segway robot
- Worked with Arduino Uno, PID and closed loop control, IMUs, Bluetooth

12.2013

Aspirations in Computing Award, National Center for Women and Information Technology
- Bay Area winner and National runner-up
- Recognized for my passion for technology and leadership as a Lego robotics mentor