

Brian Tom

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EDUCATION

University of California, Irvine

- B.S. in Computer Science and Engineering
 - Cumulative GPA (as of 01/19/17): 3.91

Expected Jun. 2020

Lowell High School – San Francisco, California

- High School Diploma
 - Cumulative GPA (as of 02/23/16): 3.82

May 2016

INTERESTS/ACTIVITIES

Digital Waste Bins Development Team (ESW UCI) | UC Irvine

2016 – Current

- Developing responsive interface for waste separation using Python and Pygame
 - Focused on the screen animations and sensor implementation into on-screen messages

HackUCI Participant | UC Irvine

Jan. 2017

- Created the web app, [REPL▶Y!](#), for uploading and looping music using a laptop to host the site
 - Focused on frontend design using HTML and CSS, supported backend PHP designer

Lowell High School Robotics Team Member (Cardinalbotics) | San Francisco, CA

2014 – 2016

- **Head of Robot Support** Dec. 2015 – May 2016
 - Maintained the robot and devised plans for building the robot's practice field
- **Emergency Support Manager** Sep. 2015 – Dec. 2016
 - Trained new members to fill needed roles in the robotics team

WORK EXPERIENCE

Camp Counselor | EDGE Camp, San Francisco, CA

Jun. – Jul. 2016

- Taught classes focusing on reading and math to students (Pre-K – 6th Grade,) keeping them motivated about learning during the summer
- Led activities exploring photography, engineering, and art

Chemistry Teacher's Assistant | Lowell High School, San Francisco, CA

Aug. – Dec. 2015

- Aided Dr. Bryan Marten in preparing for classes through lab setup and grade entry

Photographer | Washington High School, San Francisco, CA

Jun. – Jul., 2014

- Photographer for high school basketball camp
- Compiled picture slideshow of events and distributed DVD copies to campers

VOLUNTEER EXPERIENCE

Mentor for 4th Grade FIRST LEGO League Robotics team | St. Thomas More School

2014 – 2016

- Guided students on the basic steps of creating a successful robot, allowing them to use their creativity to solve the challenges presented at robotics competitions

Volunteer for Bay Area Science Festival | San Francisco, CA

Nov. 2014 and 2015

- Educated local community about the importance of STEAM through robotics
- Explained FIRST Competitions and robotics to visitors

Beautified Wentworth Alley | STARTALK Mandarin Institute Immersion Summer Program

Jul. 2015

- Painted fish mural in San Francisco's Chinatown dedicated to the historic fish market

Lowell High School Red Cross Club Member | San Francisco, CA

2012 – 2016

- Participated in St. John's Harvest/Food Distribution, Blood Drives, and Measles Awareness

SKILLS

Programming | Python, Java, JavaScript, HTML, CSS

Robotics | Machining Parts, Computer-Aided Design (CAD) Software, LEGO Mindstorms Robotics

CPR Certified | American Red Cross Adult First Aid/CPR/AED Certified, [ID: GSUP45](#) (2016)

Media | Photography, Adobe Suite (Bridge, Lightroom, Photoshop, Premiere), Windows Movie Maker/iMovie

Office | Proficient in Microsoft Office, Windows, and Apple platforms