Brian Tom

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EDUCATION

University of California, Irvine
- B.S. in Computer Science and Engineering *Expected Jun. 2020*
  - o Cumulative GPA (as of 05/09/17): 3.77

Lowell High School – San Francisco, California
- High School Diploma *May 2016*
  - o Cumulative GPA (as of 02/23/16): 3.82

INTERESTS/ACTIVITIES

Digital Waste Bins Development Team (ESW UCI) | UC Irvine *2016 – Current*
- Developing responsive interface for waste separation
  - o Using Python and Pygame for visuals, with Tkinter GUI for display setup
  - o Focused on screen animations and sensor implementation into on-screen messages
- An Engineers for a Sustainable World (ESW) project, focusing on sustainability both on and off campus

HackUCI Participant | UC Irvine *Jan. 2017*
- Created the web app, REPL▸Y!, for uploading and looping music using a laptop to host the site
  - o 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*
  - o Directed team of students to build robot practice field to competition specifications
  - o Maintained the robot and designed pit for pit crew to operate in
- **Emergency Support Manager** *Sep. 2015 – Dec. 2016*
  - o Trained new members to fill needed roles in the robotics team, such as machining parts and power tool usage

WORK EXPERIENCE

Camp Counselor | EDGE Camp, San Francisco, CA *May – 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 styles, basic engineering principles, and various art forms

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*
- Photographed high school basketball activities
- 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

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 Campaigns

SKILLS

Programming | Python, Java, JavaScript, HTML, CSS
Robotics | Machining Parts, 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)
Office | Proficient in Microsoft Office, Windows, and Mac platforms