Brian Tom

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EDUCATION

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

Lowell High School – San Francisco, California
- High School Diploma   *May 2016*
    - 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 using Python and Pygame
    - Focused on the screen animations and sensor implementation into on-screen messages
- Part of Engineers for a Sustainable World (ESW)

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