Justin Le

282 Veneto, IRVINE, CA 92614 | (909) 362-1177 | Justinhle4@gmail.com

**EDUCATION**

**University of California Irvine, Irvine CA June 2019**

B.S. Degree in Computer Engineering

* Cumulative GPA: 3.2/4.0
* Relevant Coursework: Computer Systems and Programming in C, Object-Oriented Systems and Programming, Discrete-Time Signals and Systems, Organization of Digital Computers, Electronics and Network Analysis, Engineering Data Structures and Algorithms

**WORK EXPERIENCE**

**California Plug Load Research Center – Calit2, Irvine CA** **January 2018 - Present**

Undergraduate Researcher

* Working on implementation of an ESP-WROOM-32 RTOS and I2C protocols to utilize energy efficiency
* Using EAGLE to create PCB schematics for several appointed projects
* Researching MQTT IoT protocols via publish/subscribe client interfaces via Python

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**UCI School of Engineering - Dean's Office, Irvine CA** **July 2017 - Present**

Lead Student Assistant

* Work daily on several data heavy projects that require a meticulous attention to detail
* Worked closely with executive V.I.P members of the University of California, Irvine
* Required to manage and train new student assistants

**UCI Guest and Events Services, Irvine CA** **January 2016 - May 2017**

Information and Parking Assistant

* Provided excellent customer service to over hundreds of patrons in a fast paced environment
* Worked firsthand with clients to provide solutions to any of their needs during various events
* Overlooked vehicle maintenance and maintained constant inventory of field equipment

**PROJECTS**

**Thales Project Arduino – Scout Car, Irvine CA October 2017 – Present**

* Worked on a team of 4 to create a scout car that uses an Arduino Uno, distance sensor, Bluetooth module, L298n motor driver, pan-tilt servos, and eye-tracking software
* Created and designed circuit schematics to utilize multiple modules and voltage optimization
* Helped create a Python script to convert and send Tobi EyeX gaze data to court car via the HC-05 Bluetooth module
* Programmed motor driver logic to control forward and reverse movement with respect to Bluetooth data

**Micromouse, Irvine CA December 2017 – Present**

* Work in progress …

**Projector Buddy, Irvine CA January 2017 – Present**

* Work in progress …

**Coffee Buddy, Irvine CA //Move under research ? January 2017 – Present**

* Work in progress ..

**Old NES Video/Arcade Games on Android Studio, Irvine CA April 2017 - June 2017**

Super Mario Bros

* Recreated a simple mobile based version of the popular platform video game using Android Studio with a partner that included various features of the original game

**SKILLS**

* **Languages:** Java, Python, C, System Verilog
* **Software/Platforms:** Microsoft Office, Eclipse, Mathematica, OrCAD Capture, Git, LaTex, EAGLE
* **Hardware:** PCB design, Arduino/ATmega328P, ESP-WROOM-32
* **CUSTOM TAILOR SKILL SET?**

**AFFILIATIONS**

* **Alpha Phi Omega** – National Service Fraternity
* **ACM@UCI**
* **IEEE - Micromouse@UCI**