Justin Le

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EDUCATION

- **University of California, Irvine**   Irvine, CA
  Bachelor of Science in Computer Engineering - GPA: 3.33   *September 2015 - June 2019*
    - Dean's Honor List Recipient

EXPERIENCE

- **SSL**   Palo Alto, CA
  Payload Core Engineer, Intern   *June 2018 - September 2018*
    - Wrote and analyzed scripts for validation testing of the use of a CAN bus network in GEO satellites.
    - Developed Python tools and interfaces to help team with accessible data extraction and analytics.

- **California Plug Load Research Center**   Irvine, CA
  Undergraduate Researcher   *January 2018 - Present*
    - Tested, demonstrated and developed wired and wireless control systems as retrofit solutions for managing energy consumption of plug load devices in residential and commercial settings.
    - Worked on implementation of various low-power, Espressif Systems, on the chip micro-controllers in embedded systems that uses RTOS, I2C and SPI protocols to create an IOT device.

- **EECS Department**   Irvine, CA
  Undergraduate Tutor/TA   *March 2018 - Present*
    - Tutored Electrical and Computer Engineering students in a Network Analysis course focused on Op Amps, design of frequency selective circuits and first and second order linear RLC circuits.

PROJECTS

- **Micromouse**
    - Designed a small robotic mouse that autonomously solves a 16' x 16' maze with a team of 3 using software concepts such as PID Control, PWM, and path-finding algorithms.
    - Took 3rd place in the IEEE Region 6, Southern Area Student Design Competition.

- **Project Arduino - Thales**
    - Worked on a team of 4 to create a prototype remote-controlled "Scout Car" that uses an Arduino Uno, eye-tracking software and additional modules for reconnaissance missions.

SKILLS

- **Languages**: Python, HTML, CSS, Javascript, C++, MySQL, Java, C, System Verilog, MATLAB
- **Software/Platforms**: Eclipse, Mathematica, OrCAD Capture, Git, PSpice

AFFILIATIONS

- **Alpha Phi Omega**: National Co-Ed Service Fraternity
- **ACM@UCI**: Association for Computing Machinery
- **IEEE - Micromouse@UCI**: Institute of Electrical and Electronics Engineers