

**Ahmad Hafizuddin bin Ahmad Jaafar**

Los Angeles, CA

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## EDUCATION

hafizaj.github.io

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### Bachelor's of Science, Electrical Engineering

*University of California, Los Angeles*

Sept. 2017 - Present

Major Grade Point Average

**4.00**

## EXPERIENCE

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### Undergraduate Student Researcher

Sept 2018 - Present

*UCLA Plasma and Space Propulsion Lab*

Los Angeles, CA

- Admitted into the fourth cohort of the Sustainable Los Angeles Grand Challenges Undergraduate Research Program.
- Working alongside post doctorates and graduate students in the Energy Innovation Lab for the lab-scale demonstration of thermal energy storage concept with sulfur
- Contributed to a scientific review pertaining to the agricultural usage of cold atmospheric plasma
- Translated as-built architectural object and spaces into completed schematics using Solidworks.
- Analyzed data from the data acquisition systems and created a python data visualization application using NumPy and matplotlib.

### Technology Consulting Intern

June 2018 - Sep. 2018

*Accenture*

Kuala Lumpur, WP

- Designed and developed a website used for troubleshooting incidents pertaining to the newly released UPServices Car Park management system using angular and a node.js backend and deployed it for production.
- Developed python scripts used to extract information from the production database in MySQL
- Developed JSR223 (Groovy) scripts in JMeter to automate the API call to the System Integration Testing (SIT) server and analysed the performance under high load.
- Created several SoapUI projects designed to cross-check the REST API calls from the SIT and Production backend.

### Director of Events

Jan. 2018 – June 2018

*United Nations Association at UCLA*

Los Angeles, CA

- Collaborated with Model United Nations at UCLA to plan out future events
- Organized the UNICEF at UCLA Networking Night and contacted representatives from UNICEF.

### Internal Affairs and Performance Director

Jan. 2018 – March 2018

*International Council of Malaysian Scholars*

Kuala Lumpur, WP

- Established and Maintained a vision for the 8th council of ICMS North America
- Pioneered a cascading milestone system to replace the existing Key Performance Indicator performance measurement
- Revamped an existing 3-month development program to train 19 Junior Associates in 6 divisions.

### Junior Associate

Sep 2017 – Feb. 2018

*International Council of Malaysian Scholars*

Kuala Lumpur, WP

- Collaborated closely with 4 other associates to develop a mock event for 30 members
- Prepared project accounts, income statements, cash flow, and statement of financial position

## TECHNICAL SKILLS

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- **Programming Languages** *Most Familiar* C/C++, Python, SQL; *Previous Experience* MATLAB, PHP, Javascript
  - **Packages** NumPy, Matplotlib, SciPy, pandas
  - **Tools, Frameworks, and Programs** XCode, Git, MySQL, Node.js, Microsoft Visual Studio, jQuery, Apache JMeter, Spring Tool Suit, Spring Boot, WSO2 Enterprise Integrator, Vue.js, Angular, Microsoft Excel

## RELEVANT COURSEWORK AND SKILLS

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- **Undergraduate:** Systems and Signals, Computer Organization, Data Structures, Discrete Math, Intro to Algorithms and Complexity, Differential Equations, Multivariable Calculus, Electromagnetism and Waves
  - **Self-taught:** Introduction to Deep Learning, Matlab for Engineering, SolidWorks 3D CAD
  - **Languages:** English (Native), Malay (Native), Japanese (Elementary)