

Ahmad Hafizuddin Ahmad Jaafar

Los Angeles, CA

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EDUCATION

hafizaj.github.io

Bachelor of Science, Electrical Engineering

University of California, Los Angeles

Cumulative Grade Point Average

Sept. 2017 - Present

EXPERIENCE

Research Investment Strategy Intern

July 2019 - Sep. 2019

Khazanah Nasional, Malaysian Sovereign Wealth Fund

Kuala Lumpur, WP

- Developed an applet to model the portfolio return using mean-variance analysis to visualize the efficient frontier of potential different asset classes using NumPy, Pandas, and TkInter
- Developed a macro to model ordinary linear regression, lasso regression, and the seasonal ARIMA to assist in the initiation of sectoral coverage using Excel and VBA for Excel
- Performed data analysis (financial ratios, market size) on macroeconomic and firm data extracted from Bloomberg, which were subsequently used as a basis for presentation to senior executives.
- Assisted team members in analyzing financial and operating information of firms and industries, creating statistical presentations that compare financial performance and assisted in creating a standardized presentation to depict projected financial results and to value companies.
- Executed a research project on healthcare and analyzed the megatrends and current state of the healthcare sector

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 analyzed the performance under high load.
- Created several SoapUI projects designed to cross-check the REST API calls from the SIT and Production backend.

TECHNICAL SKILLS

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- **Programming Languages** *Most Familiar* C/C++, Python, SQL; *Previous Experience* MATLAB, PHP, Javascript
 - **Packages** NumPy, Matplotlib, SciPy, pandas, TkInter
 - **Tools, Frameworks, and Programs** XCode, Git, MySQL, Node.js, Microsoft Visual Studio, Microsoft Excel

RELEVANT COURSEWORK AND SKILLS

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- **Undergraduate:** Systems and Signals, Data Structures, Computer Organization, Algorithms, Calculus II and III, Digital Signal Processing, Feedback Control of Systems, Logic Design of Digital Systems
 - **Self-taught:** Statistical Regression Models, Corporate Finance, Financial Modelling, Bloomberg Terminal, Python for Machine Learning, Business Mathematics