

Muhammad Hasif Bin Muhammad Uzir

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A Yayasan Khazanah scholar currently pursuing a degree in Electronic & Electrical Engineering expecting to graduate with first-class honours. Hands-on experience in engineering projects through internships, university projects and competitions as well as communication, management and problem-solving skills.

EDUCATION

University College London, London

2015 – 2019

MEng Electronic & Electrical Engineering (Expected: First Class)

- Year 1: First Class, Year 2: First Class, Year 3: First Class; Minor Module: Japanese (Intermediate)
- Year 3 Project: *Machine Learning to Predict Pollution, Weather, and Traffic for Smart Cities*
 - Researched, analysed and developed a multivariate machine learning algorithm to predict future pollution, weather and traffic conditions in London, presented in a user-friendly graphical interface.
- Year 4 Project: *Compact Warehouse Robot*
 - Researched and developed software and hardware for an autonomous robot for use in warehouses to collect and deliver products via autonomous navigation with a team of 3 other students.

EXPERIENCE

Tenaga Nasional Berhad Connaught Bridge Sdn. Bhd., Klang

July – Aug 2018

Intern, Control & Instrumentation

- Assisted and shadowed engineers and technicians in various day-today preventive and corrective maintenance operations for power plant control and instrumentation systems.
- Involved in the implementation and review of the KKS Identification System for Connaught Bridge Power Station Generation Facility 3 for use in internal asset database to improve work efficiency.

Khazanah Nasional Berhad, Kuala Lumpur

Aug – Sept 2016

Intern, Khazanah Research and Investment Strategy

- Researched and analysed data obtained from sources such as reports and market data which was then used to prepare reports and information decks for use in various projects.
- Responsible for a data collection and analysis project on 20 Malaysian real estate developers' business strategies, identifying significant trends in the real estate sector from 2005 to 2015.

International Council of Malaysian Scholars and Associates (ICMS), London, United Kingdom

Feb 2016 – Feb 2017

Associate, Secretarial Division

- Involved in the planning and designing of the website redesign for easier and more effective use.
- Maintained and contributed to council archive, website and newsletter throughout the year with a team of 5 associates.

International Community Service Programme, Bangalore, India

May 2013

Volunteer

- Raised RM 2000 and general aid which was then distributed among schools and an orphanage in a Bangalore community with a team of 23 students to improve quality of life.

ACTIVITIES

How to Change the World 2017, University College London

May – June 2017

1st Place, Smart Construction

University

Developed a viable solution with a team of 4 other students in reducing construction waste and aiding the transition towards a circular economy with potential cost savings of up to £52.8 million per annum.

UCLU Malaysian Society Malaysian Night, University College London

May 2016 – Feb 2017

Scriptwriter/ Assistant Director

University

- Assisted in the direction and management of the entire creative arm of an annual theatre production consisting of over 100 students for an audience of 930 attendees and generated £600 in profit.

UCL Data Science Student Challenge 2017, University College London

March 2017

Participant

University

- Developed a machine learning solution to analyse global financial markets from a given dataset and identify significant trends to enhance decision-making.

Google Hash Code 2017, University College London

February 2017

Participant

Qualification

- Participated with a team of 3 other students to develop a video caching algorithm solution to improve Google server loads and overall user experience.

SKILLS

- *Software*: Proficient in Microsoft Word, Excel, PowerPoint. Intermediate in Photoshop, Vegas Pro, MATLAB, ROS, Gazebo, Rviz.
- *Programming*: Intermediate in Python, Java. Beginner in C.
- *Language*: Fluent in English, Malay. Beginner in Japanese.

INTERESTS

Drawing, the video game industry, reading fiction, as well as travelling.