mlcy0508@gmail.com   +60 17 3910475   https://github.com/brokenax3

https://www.linkedin.com/in/mark-lee-3724061b9/

EDUCATION

University of Wollongong

Wollongong, NSW

Bachelor's of Engineering (Computer Engineering)(Honours)(Dean's Scholar)

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- Weighted Average Mark (WAM): 85.01
- Cumulative Grade Average Point (CGPA): 3.97

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Sunway University

Subang Jaya, Malaysia

Western Australian Certificate of Education (WACE)

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- ATAR: 94.65

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Catholic High School

Petaling Jaya, Malaysia

Malaysian Certificate of Education

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- Result: 3A+ 5A 1B 1C

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EXPERIENCE

Cisco Systems

Kuala Lumpur, Malaysia

Network Consulting Engineer

July 2022 – Ongoing

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- Implementing and administering cisco solutions

- Troubleshooting platform and routing/ switching issues on cisco hardware

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University of Wollongong

Sydney, Australia

Researcher

December 2021 – March 2022

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- Researching the practical use of neural networks on vehicle counting
- Creating a prototype system which can count vehicles under daytime and nighttime environments
- Producing a research paper on the proposed system

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University of Wollongong

Sydney, Australia

Tutorial Demonstrator

March 2021 - June 2021

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- Assisting and conducting tutorials for a first year engineering subject
- Helping first year engineering students plan a sustainable village project
- Advising students on project management and risk management

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Pusat Tuisyen Seri Cerdik Intelek

Bukit Jalil, Malaysia

Private Tutor

December 2016 – March 2017

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- Tutoring primary school students English and Mathematics

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ACHIEVEMENTS

- UOW Engineering and Information Sciences Summer Research Scholarship 2021
- UOW Dean's Scholar
- UOW Engineering and Information Sciences Dean's Merit List 2021
- UOW Engineering and Information Sciences Dean's Merit List 2020

PROJECTS

Perkeso ACI

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- Create automation scripts for repetitive host availability testing
- Create and test automation scripts to help with provisioning ACI during migration
- Creating and testing NRFU documentation and assisting with migration

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Celcom ACI

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- Assist with NRFU documentation and migration

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Smart Energy Sharing Wireless Local Area Networks

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- Final Year Thesis
- Experimenting with energy sharing policies and how energy sharing can benefit access points
- Researching how access points with a limited energy source can use energy efficiently to service the most users

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Real-time Vehicle Counting, Low Lighting and Accuracy Enhancement

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- UOW Summer Research Scholarship Program

- Co-author for the paper Vehicle Detection, Counting and Classification - Accuracy Enhancement (Submitted to ICIC2022 Conference)

- Object detection using a convolution neural network

- Object tracking using a Kalman Filter, Hungarian Matching and Object Intersection over Union

- Nighttime detection using headlight pairing

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Custom Kernel for Samsung Galaxy Tab 2017 (SM-T385)

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- Removing Samsung KNOX to enable root access and installation of Magisk

- Experimenting with Device Tree, Vendor Specific Blobs and building TWRP Recovery

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Markdown Tools Plugin - Neovim

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- Writing custom functions using Lua to automate repetitive tasks when writing LaTeX and Markdown on Linux

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Skills and Software

- **Technologies**: Cisco Application Centric Infrastructure, Cisco Secure Workload (Tetration)

- **Programming Languages:** Python, C/ C++, MATLAB, Java, Bash, Lua, Assembly

- **Software and Tools:** Terraform, Jenkins, Git, MATLAB, AVR Studio, RobotOS, Linux, Vim, CMake, OpenCV, Spring Boot, Apache Kafka

- **Certifications:** Cisco Certified Network Associate (CCNA), Cisco Certified DevNet Associate
- **Languages:** English, Mandarin, Bahasa Malaysia

EXTRACURRICULAR ACTIVITIES

President

Petaling Jaya, Malaysia

Cooperation Club, Catholic High School

Jan 2016 - Dec 2016

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- Managing club daily affairs and organising quarterly activities
- Converting club member database paperwork to digital systems

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Webmaster

Petaling Jaya, Malaysia

Cooperation Club, Catholic High School

Jan 2015 - Dec 2015

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- Managing club website, Facebook group and online presence

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Member

Petaling Jaya, Malaysia

Archery Club, Catholic High School

Jan 2016 - Dec 2016

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Member

Petaling Jaya, Malaysia

Track and Field Club, Catholic High School

Jan 2012 - Dec 2015

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Member

Petaling Jaya, Malaysia

$$\overline{Chinese\ Diabolo\ Club,\ Catholic\ High\ School}$$

$$\overline{Jan\ 2012\ -\ Dec\ 2012}$$

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