

LEE EN HAO

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[Personal Website](#) • [LinkedIn](#)

Education

University of Malaya

Doctor of Philosophy in Electrical Engineering

Kuala Lumpur, Malaysia

Oct 2024 – Present

Asia Pacific University of Technology and Innovation

Bachelor of Engineering (Hons) in Telecommunications Engineering

Kuala Lumpur, Malaysia

Jun 2020 – May 2024

Grade: First Class Honours

Projects:

- *Fast Start-up Crystal Oscillators*: Developed innovative self-timed energy injection techniques.
- *Smart Glasses for Electrical Pre-Installations*: Replaced traditional manual methods with smart glasses and integrated chatbot functionality.
- *Carbon-Sensing Drone*: Automated carbon emission level measurements across geographic regions.

De Montfort University

Master of Engineering (Hons) in Telecommunications Engineering

Jun 2020 – May 2024

- Dual Degree Program in collaboration with Asia Pacific University of Technology and Innovation.

Asia Pacific University of Technology and Innovation

Foundation in Engineering

Kuala Lumpur, Malaysia

May 2019 – Mar 2020

Experience

Analog, Digital and RF Research Group, University of Malaya

Graduate Research Assistant

Kuala Lumpur, Malaysia

Jul 2024 - Present

- Researching GaN gate driver for EVs under the CREST grant.
- Designing and developing integrated gate driver for GaN power switches using TSMC 180nm BCD process.
- Collaborating with University of Nottingham Malaysia to achieve project goals.

STMicroelectronics Sdn. Bhd.

Hardware Test Engineer - Internship

Muar, Johor, Malaysia

Mar 2023 – Jun 2023

- Maintained and optimized test jigs, ensuring reliable performance with minimal downtime.
- Developed test recipes on the FlexyTEST system for various test jigs.
- Coordinated with external vendors for successful system upgrades and improvements.

Asia Pacific University – Engineering Lab

Engineering Technical Assistant

Kuala Lumpur, Malaysia

Oct 2022 – Feb 2023

- Assisted lecturers during laboratory sessions to enhance learning experience.
- Supported students in the use of lab equipment, ensuring safety and understanding.
- Managed and maintained lab tools to ensure optimal functionality and availability.

Certificates

- **Graduate Engineer** – Electronic, Board of Engineers Malaysia, Nov 2024

Skills

Technical: Analog circuit design, Cadence Virtuoso, LTSpice, Python, C, Scripting, MATLAB, Linux.

Language: English (Full professional proficiency), Mandarin (Native), Malay (Professional working proficiency).

Achievements

- **Outstanding achievement award**, Asia Pacific University, 2024
- **Vice Chancellor's list**, Asia Pacific University, 2022/2023 & 2023/2024

References

Ir. Dr. Lim Chee Cheow

Final Year Project Supervisor, Asia Pacific University of Technology and Innovation

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Prof. Ir. Dr. Harikrishnan Ramiah

Supervisor, University of Malaya

Email: hrkhari@um.edu.my