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Education

Monash University

Melbourne, Australia

Bachelor of Software Engineering (Honours) (Predicted First Class)

Jul 2022 – June 2026

- Led team in developing Agile Management Tool website as Scrum Master, delivering tailored solutions to meet client needs.
- Innovated and presented a prototype addressing natural disaster mitigation for James Dyson Award competition, utilising SolidWorks and 3D printing expertise for prototyping.
- Developed a dynamic e-commerce site for client companies using JavaScript, Node.js, Next.js, and Firebase, elevating client brands and improving customer engagement.
- Collaborated with the team to develop a Java game similar to Minecraft, using Java and JavaFX, showcasing teamwork and coding proficiency.
- Guided a team in designing and implementing an HVAC system, using Arduino and Python.
- Built an AI-driven Pac-Man game leveraging advanced machine learning algorithms to adapt gameplay strategies intelligently.
- Implemented an Odoo-based customer service system for ERS Energy Malaysia, streamlining support operations and improving response efficiency.

Sunway College

Kuala Lumpur, Malaysia

Pre-U: Monash University Foundation Year (MUFY) (Achieved First Class) Jul 2021 – June 2022

- Received Sunway College 2021 Entrance Scholarship

Experience

Western Digital

Kuala Lumpur, Malaysia

Full Stack Software Engineering Intern

Oct 2025 – Dec 2026

- Building a full-stack internal “MatIndex” platform using C# (ASP.NET MVC) and SQL to evaluate and enhance code health across enterprise HDD firmware teams. Integrated data pipelines from Jira Cloud APIs and the internal Self-Service DB, enabling automated scoring, analytics, and developer insights.
- Enhanced engineering efficiency and code-quality visibility by reducing manual reporting, standardizing health metrics, and contributing to backend architecture design. Implemented clean, modular components following DDD, Unit of Work, Autofac, and modern API development practices

Radiant GlobalTech Berhad

Kuala Lumpur, Malaysia

Software Engineering Intern

Jan 2025 – Feb 2025

- Built UI website for Ecoshop using HTML, CSS, JS, enhancing user experience.
- Worked with designers and backend developers to ensure seamless integration.

Greatech Technology Berhad
Electrical Technician

Penang, Malaysia
Dec 2022 – Feb 2023

- Assembled and maintained automated machinery for First Solar US, boosting efficiency by 15%.
- Interpreted electrical and mechanical drawings, improving collaboration and project accuracy.

CARiNG Pharmacy
Pharmacy Assistant

Kedah, Malaysia
Apr 2021 – Jul 2021

- Organised a health screening campaign, promoting preventive healthcare awareness.
- Provided medication advice during the pandemic, increasing sales of recommended items by 30%.

Leadership

Monash Tennis Club Malaysia
Vice President & Head Coach

Kuala Lumpur, Malaysia
Jan 2025 – Dec 2026

- Led beginner and intermediate coaching sessions, fostering skill development and player growth.
- Organised and participated in the **Monash Cup (Tennis)**, coordinating logistics and managing players
- Secured sponsorships and partnerships to enhance competition engagement.

Institution of Civil Engineers (ICE), Monash Malaysia
Event Manager

Kuala Lumpur, Malaysia
Feb 2024 – Feb 2025

- Hosted workshops and seminars on innovative engineering practices.
- Collaborated with industry professionals to organise networking events.
- Led outreach projects to raise civil engineering awareness.

Google Developer Student Clubs (GDSC), Monash Malaysia
Event Manager

Kuala Lumpur, Malaysia
Feb 2024 – Present

- Led team to Top 8 in Google Workspace Hackathon 2024.
- Participated in AI, ML, and cloud projects, strengthening practical technical skills.

SMJK Chio Min (High School)

Kedah, Malaysia
Jan 2016 – Dec 2020

- Vice President, Philharmonic Orchestra (Percussion Leader); Malaysia International Music Art Festival 2017–2020.
- State tennis player and Vice President of Tennis Club.
- President, Photography and PA System Club; Class Secretary; Librarian.

Skills & Interests

- **Technical:** C, C++, C#, Python, Java, JavaScript, HTML/CSS, PostgreSQL, MATLAB, SolidWorks, Agile methodology, Machine Learning, AI, OOD, TypeScript
- **Soft Skills:** Leadership, Communication, Problem-solving, Decision-making, Creativity, Multi-tasking
- **Languages:** English, Mandarin, Malay (native); Hokkien (fluent), Cantonese (fluent)