

DERRICK JONG JIA CHIEN

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EDUCATION

Swinburne University of Technology Sarawak Campus

Feb. 2023 – Present

Bachelor of Computer Science (Software Development, Artificial Intelligence)

- CGPA: 3.75
- Bachelor of Computer Science Dean's List for 3 semesters
- Swinburne's Student Exchange Program to study in Melbourne for 1 semester

EXPERIENCE

LogikHaus Sdn. Bhd.

Penang, Malaysia

Software Engineer Intern

Dec. 2024 – Feb. 2025

- Redesigned and implemented the Home page, the Store page, the Contact Us page and the Education page
- Developed the website's payment system by integrating HitPay and implemented working Contact Us form, login/register system, MySQL databases, Admin UI, etc.
- Configured the company's Lighttpd Webserver to support PHP script execution, and handling HTTP requests

Melatai Resources Sdn. Bhd.

Kuching, Malaysia

Information Technology Intern

Dec. 2024 – Feb. 2025

- Liaised with an external web development company to build a website for the company, as long as some other functionalities like company webmail service and cloud storage solutions
- Assisted in the web development process by providing necessary information, helping the company staff set up company webmail, as well as organising their cloud storage

PROJECTS

Web Application for Environmental Monitoring in Sarawak (FYP) | React, Python, FastAPI

Mar. 2025 – Present

- Building a web application that allows users to visualise environmental data in Sarawak

Car Model Classification Using Object Detection Models | Python, PyTorch, YOLO, EfficientDet

Apr. 2025 – Jun. 2025

- Trained a few models to detect and classify different types of car models in Malaysia

Traffic Flow Prediction System Using DL Models | Python, TensorFlow, LSTM, GRU, SAEs

Jul. 2024 – Nov. 2024

- Developed a system where the models can predict a shortest route from Point A to Point B at a given time

Mobile Application for City Events and Cultural Information | ReactNative

Apr. 2024 – Jun. 2024

- Built a mobile application to display city events and useful cultural info for Kuching

Others | React, FastAPI, AWS, Jenkins, Docker, UML, C#

Mar. 2024 – Jun. 2025

- WebApp for Housing Market Prediction, CI/CD pipeline project, Kuching ART Architecture Design and C# App

SKILLS

Languages: HTML/CSS, JavaScript, C/C#, Python, PHP, SQL, Assembly

Frameworks: Bootstrap, React, Material UI, FastAPI, NextJS

Tools: GitHub, VS Code, Visual Studio 2022, AWS, Docker, Jenkins, Selenium, Microsoft Azure, Firebase, Jira/Confluence

Libraries: pandas, NumPy, Matplotlib, PyTorch, TensorFlow/Keras