CLEMENT WONG QIN YUAN

FRESH GREDUATE SOFTWARE ENGINEER

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SUMMARY

Recent Software Engineering graduate with hands-on internship experience in Artificial Intelligence, Machine Learning, and software testing. Proficient in Python, Java, and web development, with practical knowledge in developing AI models, automating workflows, and conducting thorough software verification and validation. Experienced in building full-stack applications and integrating IoT systems. Highly motivated, adaptable, and eager to contribute to a forward-thinking tech team where I can apply my AI/ML skills and grow as a software professional.

EXPERIENCES

Intern - AI & ML and Software Testing
Continental Tyre (PJ) Malaysia Sdn. Bhd. | Petaling Jaya, Malaysia | March 2025 - September 2025

- Led end-to-end development of AI/ML models — including data collection, preprocessing, feature engineering, and model training using Python, scikit-learn, and pandas.
- Designed and implemented classification and regression models for real-world prediction tasks with measurable accuracy improvements.
- Performed extensive model evaluation using metrics such as F1-score, precision-recall, and confusion matrix.
- Integrated trained models into existing software systems and optimised inference pipelines for performance and scalability.
- Performed software testing, including writing test cases, conducting manual testing and automated testing, and reporting bugs using tools like CodeBeamer.
- Collaborated with cross-functional teams to deploy solutions and presented findings to stakeholders.

AI-Based Left-Behind Child Presence Detection System (Final Year Project)
Xiamen University Malaysia | Sepang, Malaysia | March 2024 - December 2024

- Developed a real-time object detection system using computer vision to identify children or adults left inside vehicles.
- Used Python and YOLO-based object detection models integrated with a camera system for automatic safety alerts.
- Implemented image processing, detection logic, and alert notifications to prevent critical incidents.
- Integrated hardware (IoT camera) and backend system with a mobile notification app to demonstrate real-world use cases.

Full-Stack Developer for Web Application and Mobile Application
Xiamen University Malaysia | Sepang, Malaysia | April 2023 - February 2024

- Designed and developed a full-stack web application using HTML, CSS, JavaScript, and SQL.
- Built and connected a backend database for managing user profiles, feedback, and content posting.
- Gained hands-on experience in frontend-backend integration and database management.
- Developed a mobile travel application for Android using Java and XML, enabling users to create personalized travel itineraries.
- Integrated map features, location-based suggestions, and a clean navigation UI for optimal user experience.
- Worked with local storage and structured data handling to save and retrieve user preferences.
- Emphasized intuitive layout and accessibility in line with Android development best practices.

EDUCATION

Bachelor of Engineering in Software Engineering
Xiamen University Malaysia, Sepang
Sept 2021 – July 2025

- Final Year Project: AI-based Left-Behind Child Detection System using Object Detection
- Relevant Modules: AI & ML, Software Testing, IoT Integration, Full-Stack Web Development

Secondary Education (UEC & SPM)
Catholic High School, Sibu
Jan 2015 – Dec 2020

- UEC Results: 4As, 5Bs
- SPM Certificate
- Role: School Prefect (2018–2020)

💻 GitHub Repository: https://github.com/Clement0803/Portfilio_Dev