

Dixon Chu

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EXPERIENCE

• Software Developer Intern

Sept 2020 – Aug 2021

Kuala Lumpur, Malaysia

GPS Fleet Sdn Bhd

◦ IOT Project (subcontracted to Axiata)

- Used socket programming in Python with a team to onboard over 1000 devices in a three-month time frame.
- Communicated with outsourced device provider for developing a SDK to support an internal project, smart poultry farm.
- Communicated with internal stakeholders about the progress of every project tracks and tasks.
- Provide solutions and technical support.

◦ Continuous Emission Monitoring System Project

- Improved the support pipeline, resulting in fewer issues with not receiving daily reports by refactoring legacy code and developing a micro-service using AWS EC2, S3, and MySQL
- Analyzed requirements and collaborated with business users, developers, and vendors to resolve issues in project implementation and user acceptance phases.
- Provide on-site, handheld training with end-users to ensure proper adoption.

◦ Logistic Management System Project

- Built an excel aggregator using React and deployed using Firebase.
- Built internal APIs using NodeJs framework and manage it using AWS Lambda and API Gateway.
- Integrated with outsourced APIs using NodeJs framework.
- Test and document APIs using Postman and collaborate closely with front-end.

• Teaching Assistant (Part time)

Oct 2019 – May 2020

Aberystwyth University

Aberystwyth, UK

- Provide support to academic staff in teaching and learning support for Computer Science students in their practical with set worksheets, signing off completed work, and helping them with computing-related questions.

EDUCATION

• Aberystwyth University

Aberystwyth, UK

Bachelor of Engineering in Software Engineer (Sandwich); 2:1

Oct 2018 – June 2022

• City College Plymouth

Plymouth, UK

CIA 08 International Foundation course (Intensive) Physics Pathway; Distinction

Jan 2018 – July 2018

PROJECTS

- **Final Year Project:** Developed a C2C (consumer to consumer) iOS application where users can post and accept tasks. Used AWS Amplify as the back-end and SwiftUI for the front-end.
- **Quiz:** Developed an Android application prototype for a local school to help students evaluate their understanding and revise for exams.
- **Welsh Dictionary:** This second-year group project involves software development practice and software life cycle. The team produced high-quality and maintainable Java code that includes the code structure and design of the specification standard.

SKILLS

- **Languages and Frameworks:** Python, Javascript, SwiftUI, Java, NodeJS, React
- **Cloud Services:** AWS Amplify, Cognito, DynamoDB, S3, API Gateway, Lambda, EC2
- **Database Management:** DynamoDB, NoSQL, MySQL, PostgreSQL
- **Agile Methodology:** SCRUM, XP, OKR, Kanban
- **Version Control System:** Git, GitHub, GitLab

LANGUAGES

- **English:** Fluent
- **Chinese, Cantonese, Malay:** Native