LAW BENG XIU

bx0518@gmail.com | +6017-2720518 | Portfolio: https://lbx0518.vercel.app/

SKILLS

Languages	**:**	JavaScript	Python	Java	C#	C++
Backend & Cloud	**:**	Firebase	Serverless Computing	Cloud Functions	Node.js
Frontend	**:**	React Native	HTML	CSS

WORK EXPERIENCE

Software Developer Intern, Part-Time | Weavary Connection   *Oct 2024 - Present*

- **Independently developed** Roda.my, a designated driver application (Client & Driver apps) for iOS & Android.
- **Tech Stack**: React Native CLI, JavaScript, Firebase (Auth, Firestore, Cloud Functions, Messaging), Node.js, Google Maps API, Stripe Payments.
- **Refactored** the entire codebase, migrating from Expo to Non-Expo for better performance, native module support, and long-term maintainability.
- **Redesigned and implemented** a new UI/UX in Figma and React Native, adding Dark Mode, route confirmation, saved/recent places management, and a voucher system.
- **Developed backend workflows** using **Firebase Cloud Functions** (Node.js) to handle:
  - **Event-driven notifications** via Firebase Messaging.
  - **Stripe Integration** for customer creation, payment intent, and capture.
- Integrated **Stripe payments** with **3D Secure authentication**, pre-authorizations, and fund settlements.
- Tested and deployed the application to TestFlight and Google Play Console for internal testing.

PROJECTS

Gold Price Forecasting | Python, TensorFlow, Streamlit, LSTM, CNN   *Feb 2024 – Sep 2024*

- Developed and compared 4 models (2 LSTM models, CNN, Hybrid LSTM-CNN) to forecast gold prices, utilizing 4 datasets with economic indicators (S&P 500, Crude Oil Prices, USD Index).
- Achieved best performance with LSTM-1 model and USD Index dataset (RMSE: 10.48, MAE: 7.59)
- Pre-processed and engineered data for model training, optimizing using feature scaling.
- Developed an interactive Streamlit dashboard for visualizing model performance.

Student Information Management System | C++   *Feb 2023 – Apr 2023*

- Created functions to manage, print and filter student lists, and insert exam results by linked lists.
- Implemented Binary Search Tree (BST) for student display, deepest node printing, and subtree cloning.

EDUCATION

Universiti Tunku Abdul Rahman (UTAR)

Bachelor of Information Systems (Hons) Information Systems Engineering   *Oct 2021 – Jan 2025*
- Dean's List (Trimester Oct 2023)

Foundation in Arts   *May 2020 – Sep 2021*

SMJK JIT SIN

Sijil Pelajaran Malaysia (SPM)   *Jan 2015 – Dec 2019*

REFERENCE

Mr Yoong Keat Wei | Founder, Product Manager at Weavary Connection
Telephone: +6016-4442411 | Email: keatwei@weavary.com

Dr Ramesh Kumar Ayyasamy | Assistant Professor at UTAR
Telephone: +6010-9670649 | Email: rameshkumar@utar.edu.my