LAM RONG YI

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https://github.com/lrongyi   https://www.linkedin.com/in/rong-yi-lam/   lrongyi.github.io/Portfolio-Website/

EDUCATION

National University of Singapore   **Aug 2023 - May 2027**
Bachelor of Computing in Computer Science
- Minor in Data Analytics
- GPA: 4.3/5.0

Tampines Meridian Junior College   **Feb 2019 - Dec 2020**
GCE 'A' Levels
- RP: 87.5/90

PROJECTS

Kaggle House Price Prediction   **Feb 2025**
- Analysed a real estate dataset with **Pandas** and **NumPy** to explore correlations in real estate pricing
- Visualised trends using **Matplotlib** and **Seaborn**
- Built and trained a Linear Regression Model with **Scikit-Learn** to predict house sale prices

EZStates, *Full Stack Developer*   **Aug 2024 - Nov 2024**
- Built a **Java** and **JavaFX** CLI application for real estate agents to manage properties and clients
- Achieved **95%** test coverage on **CodeCov** using **JUnit**
- Deployed comprehensive User and Developer Guide on **GitHub Pages** using **Jekyll**
- Implemented CI/CD processes using **GitHub Actions** for test coverage analysis, ensuring code quality and maintainability

Savings Squad, *Full Stack Developer*   **May 2024 - Aug 2024**
- Developed a **Flutter-based Android application** integrated with **Firebase** to streamline daily expense tracking and provide actionable spending insights
- Implemented **secure user authentication** using **Firebase Authentication**, ensuring data privacy and seamless user access
- Designed and optimized a **NoSQL Firestore database**, enabling efficient storage, retrieval, and management of user transactions and interactions

WORK EXPERIENCE

Health Sciences Authority (Blood Services Group), *Component Processing and Inventory Technician*   **Feb 2023 - Present**
- Performed whole blood separation and preparation of essential blood products, ensuring accuracy and adherence to protocols
- Managed inventory of blood products, executing First-In-First-Out (FIFO) strategies to fulfil hospital orders and maintain stock integrity
- Applied meticulous attention to detail and process management, crucial for quality control in a high-stakes laboratory environment

Inland Revenue Authority of Singapore (Property Tax, Residential Branch), *Temporary Officer*   **Nov 2022 - Feb 2023**
- Verified property locations by cross-referencing Google Maps with real-life buildings to support the transition to an online stamp duty payment system (e-Stamping)
- Performed detailed comparisons between digital and real-world data to ensure accurate alignment of building locations, supporting the integrity of the online system

LEADERSHIP

Singapore Armed Forces (Army), *Detachment Commander, 6th Company*   **Jan 2021 - Nov 2022**
- Demonstrated good performance and was chosen to attend several leadership courses within the SAF such as the Commando Small-Unit Leaders Course and the Officer Cadet Course
- Developed leadership and teamwork as a commander from Dec 2021 - Nov 2022
- Led the junior batch of trainees to undergo the commando training syllabus

SKILLS

Programming Languages: **Python**, **Java**, **C**
Technology and Tools: **Git/GitHub**, **HTML**, **CSS**, **JavaScript**, **Next.js**, **TypeScript**, **Tailwind CSS**, **React, PostgreSQL, Flutter**, **Firebase**, **JUnit**, **JavaFX**
Data Analytic Tools: **Pandas**, **NumPy**, **Matplotlib**