SAMUEL GOH JUN JE

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Education

University of Manchester   **Sept 2022 – June 2025**
BSc in Computer Science and Mathematics | Second Upper Class Honours   *Manchester,UK*

Sunway College   **Sept 2020 – June 2022**
A Levels | A* A* A* (Mathematics, Chemistry, Physics)   *Selangor, Malaysia*

Work Experience

Pomelo | *React Native Developer*   **Aug 2024 – Oct 2024**

- Developed mobile UI components and reusable interface patterns using **TypeScript** in **React Native**, improving app consistency and user interaction flows across the application
- Collaborated with designers and engineers to refine screens, resolve UI issues, and manage pull requests using **GitHub** as part of an **agile, sprint-based workflow**

Projects

BlogNest | *Source Code*   **Flask | Bootstrap | SQLAlchemy**

- Built a full-stack blog application with Flask, implementing secure user authentication, **RESTful routing**, and full **CRUD** functionality
- Integrated a **PostgreSQL database** using SQLAlchemy and developed reusable Bootstrap components with **Jinja2 templating** for a clean, responsive UI and smooth content management

Weather App | *Source Code*   **JavaScript | NodeJS | Express**

- Built a responsive weather application with an Express backend proxy for secure API calls, supporting city search, °C/°F toggling, and **5-day forecasts** using OpenWeather data
- Implemented a favourites system using **localStorage**, allowing users to save and remove preferred cities, with dynamic UI updates and modular frontend logic for improved usability

PL Match Predictor | *Source Code*   **Scikit-Learn | Pandas**

- Built a machine-learning model using **Random Forests** to predict Premier League outcomes, performing full data cleaning, feature engineering, and rolling 3-match performance statistics, which improved model precision from **47.46% to 62.50%**

Certifications

100 Days of Code: The Complete Python Pro Bootcamp | *Udemy*   **June 2025 – Sept 2025**

- Covered Python scripting, automation, web scraping (**BeautifulSoup**, **Selenium**), data analysis (**Pandas**, **NumPy**, **Matplotlib**), and web development (**Flask**, **Bootstrap**, **HTML5**, **CSS**, **SQL**)
- Built **100+ real-world projects** including games, APIs, automation tools, data visualisations, and web apps, demonstrating end-to-end Python proficiency

Technical Skills

Programming Languages: Python, JavaScript, TypeScript, Java, SQL, HTML5, CSS
Libraries/Frameworks: ReactJS, React Native, NodeJS, Express, Tailwind CSS, Expo, Flask, Bootstrap5, Jinja2
Databases: MongoDB, MySQL
Developer Tools: AWS, Postman, Git, VS Code, Jupyter

Language Proficiency

Languages: English(Native), Mandarin(Native), Malay(Basic)

Extra-Curricular

- Competed in university hackathons (Hack-A-Bot, Student Hack)
- ABRSM Grade 8 Piano (Practical & Theory)
- Represented the University of Manchester in Table Tennis