

# WONG SUM YU

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## ABOUT ME

GitHub: <https://github.com/SumYu02>

Portfolio Website: <https://portfolio-website-sigma-two-12.vercel.app/>

## EDUCATION

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### Bachelor of Computer Science (Honours)

June 2022 – May 2025

*Universiti Tunku Abdul Rahman, Kampar, Perak*

- CGPA: 3.5310
- Relevant Course: Data Structure and Algorithm, Object-Oriented Programming, Front-End Web Development

### Foundation in Arts

May 2021 – May 2022

*Universiti Tunku Abdul Rahman, Kampar, Perak*

- CGPA: 3.50

### Malaysian Certificate of Education (SPM)

2015 -2021

*SMK Buntong, Ipoh, Perak*

- Result = 8A's , 1B, 1C

## WORK EXPERIENCE

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### Software Developer Intern

*Generic Exception Sdn Bhd, Petaling Jaya, Selangor — [Oct 2024 – Jan 2025]*

- Collaborated in a team to develop and maintain features on a web-based application using **React.js** and **Node.js**.
- Integrated RESTful APIs using **Django REST Framework**.
- Worked on responsive UI components using **Tailwind CSS**.
- Participated in daily stand-ups and code reviews, improving team communication and code quality.
- Resolved bugs, optimized performance, and contributed to documentation and testing.

### Junior Full Stack Developer

*De Stijl Technology Network International Sdn Bhd, Kuala Lumpur— [Aug 2025 – Current]*

- Developed and enhanced features for a gift redemption system, ensuring smooth user experience and system reliability.
- Took ownership of building new website functionalities, from planning and implementation to deployment.
- Collaborated on front-end development using **React.js**, **Next.js**, and **Mantine**, creating responsive and user-friendly interfaces.
- Built and maintained backend services with **Node.js** and **Express.js**, ensuring efficient API performance and scalability.
- Worked with **DynamoDB** for data storage and optimized queries for improved application performance.
- Resolved bugs, optimized performance, and contributed to documentation and testing to maintain high code quality.

## PROJECT EXPERIENCE

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### KeySound E-commerce Website (Final Year Project)

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Built a full-stack e-commerce web application with distinct interfaces for both users and administrators:

- Designed and implemented user-facing features such as product browsing, cart management, secure checkout, and real-time order updates.
- Built an admin dashboard to manage products, process orders, and monitor user accounts with role-based access controls.
- Integrated advanced functionalities including a **personalized recommendation system**, a **chatbot API** for customer support, a **price drop alert feature**, and a **“make an offer” option** to improve user engagement and drive conversions.
- Ensured seamless communication between the frontend and backend using **RESTful APIs**, with robust **user authentication** and **authorization** for data security and access control.

## Pomotask – Study Planner & Task Manager with Pomodoro Application

Developed a cross-platform mobile application (iOS/Android) integrating task management, study planning, and Pomodoro productivity techniques into a unified tool:

- **Task Management:** Implemented real-time task tracking with subject tags, priority flags, due-date alerts, and a synchronized Kanban-style board (“To-do / In-progress / Done”) using Firebase Firestore.
- **Study Planner:** Built a drag-and-drop scheduling interface with native calendar integration and session conflict detection.
- **Pomodoro Timer & Analytics:** Created configurable Pomodoro timers that auto-log time per task and display productivity analytics via charts and summaries.
- Utilized Firebase Authentication for secure login and Cloud Storage for user data persistence across devices.

## Math Adventure Mobile App

- Developed a gamified math learning mobile application for children using React Native.
- Implemented three interactive game modes: Compare Numbers, Order Numbers, and Compose Numbers, designed to improve fundamental math skills.
- Designed and integrated a tier progression system (Beginner to Diamond) to motivate users through performance-based achievements.
- Added real-time feedback, animated celebratory messages, and a dynamic difficulty adjustment mechanism based on score tiers.

## CERTIFICATIONS

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<b>MERMC2023 Malaysia Final</b>	1 <sup>st</sup> Runner Up	Completed 23 Sept 2023
<i>MonsoonSIM Enterprise Resource Management Competition (MERMC) 2023</i>		
<ul style="list-style-type: none"><li>• Apply the concept of Enterprise Resource Planning (ERP) through fun simulation games.</li><li>• Effectively utilized the system developed by the MonsoonSim program, demonstrating proficiency in managing key parameters such as gross profit, space utilization, machine utilization, market share, and retail share.</li></ul>		

## SKILLS & INTERESTS

### Language:

English | Chinese | Malay | Cantonese

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## **Programming Skills:**

C++ | Java | Python | HTML | CSS | JavaScript | TypeScript | MySQL | SQL Plus | Bootstrap |  
Tailwind CSS | React.js | Node.js | Django REST Framework | MongoDB | React Native | Next.js |  
AWS