Tzie Huang Foo

Mobile: +6596110670 / +60133473488 | **Email:**
beckhamfth@gmail.com / e0985937@u.nus.edu | https://www.linkedin.com/in/foo-tzie-huang-314212269/ | Github - davidfoo07

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE   Aug 2022 - Present
Bachelor of Computing in Computer Science
- Data Structures and Algorithms, Database Systems, Machine Learning & Artificial Intelligence, Computer Network
- Available for Internship: January 2025 – August 2025

SUNWAY COLLEGE   Jul 2019 - Dec 2021
GCE Cambridge A-Level
- Biology (A*), Chemistry (A*), Physics (A*), Mathematics (A*)

WORK EXPERIENCE

UNILAH *Software Engineering*   May 2024 - Aug 2024
- **Developed and enhanced** the UNILAH student mobile app using **React Native**, improving UI/UX based on Figma designs, ensuring intuitive user navigation and experience.
- **Integrated backend with frontend** by connecting APIs, ensuring seamless data flow between the app's interface and database.
- **Debugged and optimized websites** using the **React framework**, improving performance and resolving compatibility issues across multiple browsers.
- Spearheaded the creation of new features including a **social media interaction platform** and a **dating feature**, significantly increasing user engagement and interaction.
- **Optimized performance** by refactoring existing code, improving page load speeds and making the app more efficient for users across various devices.

PROJECTS

Orbital   May 2023 - Aug 2023
E-Commerce Website
- Developed an e-commerce website using React.js and Firebase, with a focus on implementing data-driven features.

Dental Software Program   Jun 2023 - Jul 2023
- Created a dental management software that streamlined patient record management and financial transactions, enhancing clinic efficiency.

Interior Design Software Program   Jul 2023
Price Calculator
- Designed a price calculator to streamline furniture pricing, replacing traditional pen-and-paper methods, improving business processes, and increasing on-the-spot purchase opportunities.
- Implemented search, sort, and filter functions with Excel import for product and price databases.

Hackathon   Sep 2023
E-Wallet Mobile Application
- Created an e-wallet integrating live currency exchange API.

EXTRA CURRICULAR ACTIVITIES

NUS STUDENT UNION COMMIT CLUB, People Cell's Director   Aug 2023 – Dec 2023
- Organized events and managed teams to foster student engagement.

SKILLS

- Programming Languages: Python, JavaScript, TypeScript, C++, Java
- Frameworks & Libraries: React.js, Node.js, Nest.js, React Native, Prisma, SQL, PostgreSQL, Firebase, Tailwind CSS
- AI/ML Frameworks: TensorFlow, PyTorch
- Development Tools: Anaconda, Jupyter Notebooks
- DevOps: Git
- Operating Systems: Linux, Windows

- Language Proficiency: Spoken and Written - English, Mandarin & Malay (Fluent and Proficient)