

# Foo Yau Yit

Frontend developer  
Full-stack developer  
Solution Architecture

Internship – 22<sup>nd</sup> April to 9<sup>th</sup> August '24

## Contact

Klang, Selangor, Malaysia  
+6011 1065 8290

Email: [desmondfoo0610@gmail.com](mailto:desmondfoo0610@gmail.com)

Website: <https://desmondfoo.vercel.app/>

LinkedIn: <https://www.linkedin.com/in/desmond-foo-a42b851aa/>

GitHub: <https://github.com/SHINE-six/>

## Summary

As an enthusiastic developer, my passion for creating innovative solutions has been the driving force behind my continuous skill enhancement in various facets of software development. With a keen focus on front-end development and design, coupled with proficiency in back-end development and system integration, I excel at transforming ideas into functional prototypes. My commitment extends to conscientious honing my skills in these areas, aspiring to not only keep pace with but also excel in adopting best coding practices, staying informed of emerging technology trends, and acknowledging the latest technology stacks.

Additional interest areas: data scientist, data analytic, text mining, web scraping, deep learning, AI, IoT, etc.

## Education

Asia Pacific University – GPA 3.73

BSc (Hons) in Computer Science with a Specialism in Data Analytic

## Skills

Frontend: React.js, JavaScript, Three.js, React-3-fiber, TailwindCSS, flutter

Backend: Flask, Node.js, FastAPI, MongoDB, Firebase, Firestore, GCP

Others: GitHub, C, C++, Java, MySQL, Figma, IoT

Interpersonal skill: teamwork, leadership, curiosity, communication, fast learner, critical thinker

## Experience

*Jan 2021 – Dec 2023    3yrs*  
Mathematic Teacher • Eye Level Learning

*Apr 2022 – May 2022*  
Waiter • Mahogani Roastery Café

*Nov 2021 – Dec 2021*  
Waiter • Cuppa Two Café

Responsibilities: Conceptual Instruction, Student-Centric Guidance, Skill Proficiency Assessment, Customer-Focused Service, Effective Communication, Situation Management, Efficient Task Prioritization

## Project (More info at GitHub)

### AI-Powered Home Energy Management System

Developed GreenPeak, a mobile app Home Energy Management System (HEMS) with AI-driven energy optimization. This system integrates AI and IoT technologies for automated energy monitoring and management. Thorough experience in Google Compute Engine for hosting FastAPI and RasaNLU server; Arduino IoT for the IoT prototype to connection toward firebase; FastAPI for developing API that handle the state of firebase and connected to system and rasa chatbot; development of flutter and react into app.

#Flutter #React #IoT #AI #GoogleCloudPlatform #Firebase #RasaNLP #Fastapi #SmartHome

### Turing game for text analysis

Developed an engaging Turing game that randomly pairs a human user to be randomly paired with another human user or AI chatbot, the message writing style and result are then collected to undergo text mining to determine the writing style of the person.

#ReactJS #Firebase #Firestore #TextMining #AI #ChatBot #GeminiAPI #TextAnalysis

### AI Healthcare one-stop platform app

Developed AI Healthcare One-Stop Platform App, I utilized Flask for backend operations, enabling integration with PalmAPI for AI chatbot functionality and NewsAPI for the latest health news. React was instrumental in building a responsive frontend, enhancing user interaction and experience. Delivering key features such as real-time health updates, AI-generated content, and seamless hospital emergency room reservations, reflecting my expertise in leveraging modern tech to improve healthcare access.

#Flask #ReactJS #AIChatbot #APIIntegration #Python #MongoDB

## Honor/ Achievement

- APU AWS DeepRacer 2023
- Varsity Hackathon 2023
- APU Startup Weekend 2023
- MY Startup Hackathon x Petronas 2023
- GenM Youth4Fintech 2023
- DevHack 2023
- SAS Curiosity Cup 2024
- Hilti IT Competition 2024
- KitaHack 2024 (Best Impact Award)

## Club

### Asia Pacific Analytic Club (APAC) – Head of PR Team

Data Analytic Club, managing the relationship with public sector during event as well as continuous connections off event

### IEEE APU Club – Head of Event Team

Managing and overview the process of event, ensuring everything is up to quality and in control

## References

Ling Chze Chung  
+60 12-230 1986/ LinkedIn  
Director at Eye Level

Dr. Preethi Subramanian  
[preethi@apu.edu.my](mailto:preethi@apu.edu.my)  
Course lecturer in APU

