Goh Shu Yi

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https://github.com/sygoh0909

Software engineering student seeking an internship to gain hands-on experience and contribute to real-world projects. Additional details and project showcases are available on my personal website (link above).

EDUCATION

Bachelor of Software Engineering – CGPA: 3.71   **September 2023 – September 2026**

Sunway University, Malaysia – Lancaster University, UK

Foundation in Arts – CGPA: 3.98   **July 2022 – July 2023 (Graduated)**

Sunway College, Malaysia

RELEVANT PROJECTS (UNDERGRADUATE PROJECTS)

Food Fox Website (Degree Project)   **December 2024**
PHP, HTML/CSS/JavaScript, MySQL
- Developed a PHP-based website aligned with SDG 2 (Zero Hunger)
- Implemented features like event registration, donation system, and admin panel
- Enabled user authentication and email confirmations to ensure secure access
- Collaborated through close pair work and maintained version control using Git

Pokémon Game (Degree Project)   **August 2024**
Java
- Created a Java-based turn-based battle game inspired by Pokémon using OOP principles
- Added Quick Time Events (QTE) for interactive gameplay mechanics
- Led a team of 4 with clear task delegation and version control via GitHub

Book Management System (Degree Project)   **December 2023**
Python
- Developed a CLI-based system to manage book records (add, update, search, delete)
- Focused on code modularity, efficiency, and input validation
- Contributed core logic while collaborating closely with 4 teammates

ADDITIONAL PROJECTS AND HACKATHONS

IBM TechXchange Hackathon 2025   **July 2025**
Python, FastAPI, React.js, TypeScript, IBM WatsonX
- Built an AI-powered legal analysis tool to simplify compliance
- Translated complex legal content into plain English and flagged risks under GDPR/PDPA
- Collaborated in a team of 4, overcoming API issues and presenting under tight deadlines

Residents Management System (Ongoing)   **April 2025 - Present**
Next.js, Express.js, PostgreSQL
- Developed a full-stack web app to track tenant payments and generate reports
- Integrated Sequelize ORM with PostgreSQL for efficient data handling
- Implemented secure JWT-based authentication and role-based access
- Solved real-world UX issues through testing, iterative debugging, and feedback loops

SKILLS

Programming languages:

- Familiar with Java, Python, PHP, JavaScript, Basic experience in TypeScript, Shell Scripting

Frameworks and Technologies:

- Basic to intermediate in HTML, CSS, React.js, Next.js, Tailwind CSS, Node.js, Express.js
- Basic experience with Axios, Fetch Api for data fetching

Databases & Backend Tools:

- Experience with SQL, PostgreSQL, Sequelize ORM, XAMPP, NeonDB, Relational Database Design, Database Querying and Joins
- Basic experience with JWT Authentication, RESTful API Integration

Development Tools and Environments:

- Familiar with Git, GitHub, Command-line Interface (CLI), Vercel, Environmental Variables Handling, Visual Studio Code, Intelij, PHPStorm, PyCharm, Postman

Software and Design Tools:

- Familiar with Figma, Visual Paradigm, Microsoft Office, Canva, Draw.io, UML Diagrams (Use Case, Class, Sequence, State, Activity), Flowcharts, Data modeling (ERD), OOP Principles

Other Technical Skills:

- Basic experience with Debugging and Troubleshooting, Responsive Design, Version Control workflows
- Basic understanding of Software Development Life Cycle (SDLC), Agile Methodology

Languages:

- English, Mandarin, Bahasa Melayu

AWARDS AND ACHIEVEMENTS

Dean's List Award
- Awarded for academic excellence in the Bachelor of Software Engineering program

Jeffrey Cheah ACE Scholarship
- Awarded based on academic performance during Foundation studies

Jeffrey Cheah Entrance Scholarship
- Awarded based on academic performance in secondary school prior to admission

EXTRA CURRICULUM

Sunway Music Society – Sunway University, Malaysia   **April 2023 – September 2024**

Committee Member – Public Relations Department (PR)
- Managed event promotions and content creation across Instagram
- Co-hosted club events as emcee and produced behind-the-scenes Instagram stories/reels
- Collaborated with 30+ committee members to execute university-wide music showcases
- Responded to public inquiries and promoted the club through DMs and event follow-ups
- Represented the club through performances and liaison duties at both internal and external events (e.g., Sunway University SDG event, TARUMT Aloha Fes, Leo Club Banquet Night)
- Promote the club to students during campus-wide events such as CNS Day
- Strengthened communication and teamwork skills through inter-department and cross-university coordination