HWANG MEI QI, FELICIA

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Education

National University of Singapore   **Aug 2023 - May 2027**
Bachelor of Computing in Computer Science (Honours)
- **GPA**: 4.75/5.00
- Ngee Ann Kongsi Scholarship
- **Coursework**: Data Structures & Algorithms, Object-Oriented Programming, Data Management & Visualisation, Computer Organisation, Computer Networks

Technical Skills

Languages: Python, Java, JavaScript, Typescript, SQL, R, C, C#
Frameworks: ReactJS, NextJS, Git, .NET
Tools: UiPath, Tableau, PowerBI, Figma

Experience

Software Engineer   **Aug 2024 – Present**
NUS Fintech Society
- Incoming software engineer, tasked with developing web-based applications and features using NextJS for the frontend, Express and Prisma for the backend development.

Undergraduate Teaching Assistant (CS2030)   **Aug 2024 – Present**
NUS School of Computing
- Mentored 20 students during lab sessions on functional programming and object-oriented programming in Java.
- Conducted weekly classes with a co-teaching assistant, providing tailored consultations to support student learning.

Web Developer   **Feb 2024 – Present**
Advisory Singapore
- Debugged and resolved feature issues using Tailwind CSS during site migration to the Ghost platform, enhancing site functionality and improving user experience.
- Coordinated with DevOps teams during weekly sprint reviews, leveraging Git for version control and smooth deployment of updates.

Digital Transformation Intern   **June 2024 – Aug 2024**
Civil Aviation Authority of Singapore
- Spearheaded the development and implementation of RPA workflows using UiPath, utilising .NET for custom activities and data extraction techniques, which automated repeitive tasks and boosted workplace efficiency by 83%.
- Created storyboards to visualise IT request workflows, collaborating with team managers to identify, recommend, and integrate suitable technology tools for optimising processes.
- Performed a competitive analysis of six leading IT Service Management platforms, evaluating scalability and integration capabilities, aiding in the platform selection process.

Projects

MechHub E-Commerce Platform | source code
- Developed a full-stack e-commerce platform using ReactJS and Firebase, including social media features such as following, liking, forum and chat system.
- Utilised Zustand for state management to handle global stores efficiently and implemented CI/CD pipelines to automate deployments.
- Developed unit testings with Jest and React Testing Library. Conducted user testing that revealed 80% of users were likely to use the platform.

FinHub Data Dashboard | source code
- Created an interactive dashboard using MongoDB, ExpressJS, ReactJS and NodeJS, enabling users to visualise and analyse real-time financial data.

Leadership / Extracurricular

- NUS Computing Student Ambassador, House Publicity Head in Residential College 4