

# 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

**Frameworks:** ReactJS, NextJS, Git, Docker

**Tools:** UiPath, Tableau, PowerBI, Figma

## Experience

### Undergraduate Teaching Assistant (CS2030)

Aug 2024 – Present

#### *NUS Computing*

- Mentored 20 students in 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.

### Digital Transformation Intern

June 2024 – Aug 2024

#### *Civil Aviation Authority of Singapore*

- Developed and implemented RPA workflows using UiPath, utilising custom activities and data scraping techniques to automate repetitive tasks, leading to an 83% increase in workplace efficiency.
- Created storyboards to visualise IT request workflows, facilitating collaborative sessions with team managers to identify, recommend, and integrate suitable technology tools for process optimization..
- Performed competitive analysis of six leading IT Service Management platforms, evaluating scalability and integration, aiding in the platform selection process.

### 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, ensuring timely progress and successful deployment of updates.

## Projects

### FinHub Data Dashboard | [source code](#)

- Created an interactive dashboard using MongoDB, ExpressJS, ReactJS and NodeJS, enabling users to visualise and analyse financial data.

### 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.

## Leadership / Extracurricular

### Student Ambassador

Dec 2023 – Present

#### *NUS School of Computing*

- Represented NUS School of Computing at various events, providing guidance and information to prospective students and their families.

### House Publicity Head

May 2024 – Present

#### *NUS Residential College 4*

- Led the publicity team, organising and promoting house events and activities. Managed social media channels and designed promotional materials, increasing event participation.