

# Tan Ting Yu Gwyneth



[linkedin.com/in/gwyneth-tan-9b0626259/](https://www.linkedin.com/in/gwyneth-tan-9b0626259/)



[gwynethtann@gmail.com](mailto:gwynethtann@gmail.com)



[portfolio-gwynethtann.vercel.app/](https://portfolio-gwynethtann.vercel.app/)

## About Me

---

An ICT student passionate about bridging design and technology through code to build impactful, user-centered digital solutions. I enjoy turning creative ideas into functional applications, blending design thinking with strong technical execution to solve real-world problems.

## Education

---

### Immersive Media in Ngee Ann Polytechnic (School of ICT)

Apr 2023 - Apr 2026

- cGPA: 3.99
- Achievements: 19x Module Distinctions (Top 5% in module), 3x Top in cohort, 4x Director List, 6x Module prize winner (Top in module)
- Attained Minor in Social Media Marketing and Certificate in Advanced Computing Maths
- Leadership & Activities: ICT society, The Christieara Committee Subcomm (Development program for top 5% students) & Environmental Rangers Club EXCO

## Professional Experience

---

### Software Engineer Internship | Synapxe (Ministry Of Health)

Sept 2025 - Jan 2026

- Developed reusable front-end components and scalable back-end APIs to automate projection simulations, significantly reducing processing time and supporting policy-making decisions
- Contributed to AI integration by leveraging LLM services to automatically generate insights from health datasets, improving accessibility for non-technical stakeholders
- Supported Agile workflows by utilizing CI/CD pipelines and adhering to government deployment standards

### Software Developer Internship | Center of Environmental Sustainability

Feb 2025 - Apr 2025

- Contributed to the development of a full-stack internal web platform for resource management & booking used by 3 departments, enhancing usability and workflow efficiency
- Supported hardware-software integration, handled I/O junction setup & backend functionality for a filtration system, which was then showcased at an industry event in EXPO with 65,000+ attendees
- Designed & implemented scalable database structures, backend services, & responsive UI components in 6 core pages to improve data flow and user experience

## Skills

---

- Programming Languages: HTML, CSS, Javascript, C#, C++, Python, Typescript
- Frameworks: ASP.NET, React.js, YOLOv5, FastAPI, LangChain
- Databases: PostgreSQL, MySQL, Firebase
- UI/UX Design Tools: Figma, Adobe XD
- Collaboration and DevOps Tools: Jira, Github, Gitlab, Docker, Kubernetes
- Libraries & APIs: Tailwind CSS, Bootstrap, Chart.js, Apex Charts, MUI, REST DB API, Google Cloud API
- Cloud Platforms: AWS, Azure (Government Commercial Cloud)
- Software Development Practices: CI/CD, Test-Driven Development (TDD)