

Tan Jing Yi**Mobile:** +65 88664622 | **Email:** jingyi0939@gmail.com**LinkedIn:** [linkedin.com/in/tan-jinx-yi/](https://www.linkedin.com/in/tan-jinx-yi/) | **GitHub:** github.com/JinxYi | **Portfolio:** jinxyi.github.io**OBJECTIVE**

I am a Computer Science undergraduate in my penultimate year with practical experience in software engineering, seeking part-time internship (Aug to Dec 2025) and full-time opportunities (Dec 2025).

EXPERIENCE

Micron Semiconductor Asia Operations Pte Ltd

Jun 2024 - Dec 2024

Software Engineering Intern

- Developed a scalable .NET microservice to enable event-driven communication across applications, reducing latency for critical manufacturing operations.
- Optimised microservice performance by implementing safe, concurrent task execution, increasing throughput under load.
- Refined user interfaces using the company's Angular-powered UI framework, streamlining user experience and enhancing security.
- Automated CI/CD pipelines in Azure DevOps, enabling efficient builds, testing, and deployments to RedHat OpenShift.

AidMi

Aug 2024 - Oct 2024

Full-Stack Software Engineer

- Spearheaded the end-to-end development of a web-based prototype in React within 2 months, attracting investors and securing first place at the NUS Social Impact Catalyst Pitch Day.
- Collaborated with an AI Engineer to integrate a chatbot for collecting patient medical anecdotes, ensuring seamless data flow to support psychiatric assessments.
- Adopted iterative development approach and incorporated user feedback, aligning product with evolving business requirements.

Security and Risk Solutions PTE LTD

Sep 2021 - Feb 2022

IT Intern

- Maintained the Security Management System, a critical tool for managing incident reports and asset tracking, improving operational efficiency and oversight.
- Developed a mobile application using React Native, integrating it to the management system via APIs, contributing to enhanced security management for security personnel.
- Integrated real-time communication to the system, ensuring swift relay of time-sensitive information during emergencies.
- Developed a prototype surveillance system using Computer Vision for asset tracking, initiating the company's exploration into AI with IoT technologies.

EDUCATION

Nanyang Technological University, Singapore

Aug 2022 – Jan 2026

Bachelor of Computing (Computer Science)

- SCSE IT Sub-Committee Member
- SCSE TOP Orientation Group Leader
- Modules: Algorithms, Operating Systems, Computer Networks, Database Systems, Machine Learning

Singapore Polytechnic, Singapore

Apr 2019 - Mar 2022

Diploma in Information Technology

- Software Development Specialisation, GPA 3.739
- Certificate in Academic Achievement (2019), Certificate in IoT (2022)
- Modules: Front-End Web Development, Back-End Web Development, Software Engineering Practice, Design for User Interaction, Database Engineering, Secure Coding, Internet of Things

TECHNICAL SKILLS

- Languages: C, C#, Java, Python, JavaScript, TypeScript
- Backend Development: Express, ASP.NET Core, Docker, Kubernetes, SQL, MongoDB
- Frontend Development: HTML, CSS, JavaScript, React, Angular, TypeScript
- Application Development: React-Native, Android Development (Java)
- Cloud: Azure DevOps, RedHat OpenShift, Solace PubSub+, Supabase

CERTIFICATIONS

- **Google Data Analytics**

May 2024