**Tan Jing Yi** | Computer Science Undergraduate

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Description automatically generated]() [www.linkedin.com/in/tan-jinx-yi](http://www.linkedin.com/in/tan-jinx-yi) |  [jinxyi.github.io](https://jinxyi.github.io)

# OBJECTIVE

Motivated and driven Computer Science undergraduate seeking internship opportunities to enhance my skills and contribute to a dynamic team. Eager to apply my theoretical knowledge and practical experience gained through my coursework to real-world software development and machine learning projects. I am available for work during the periods of May to July and August to December (credit-bearing).

# WORK EXPERIENCE

**IT Intern | Security and Risk Solutions PTE LTD Sep 2021 – Feb 2022**

* Initiated software maintenance and played a pivotal role in the development of the Security Management System website, which is integral to the SRS command center's management of nearly 50 security guards deployed across Singapore.
* Collaborated closely with security personnel to design and implement a robust real-time communication system for nearly 50 security guards. The system adhered to security protocols and served as a vital tool to relay time-sensitive information and manage emergency situations.
* Designed and implemented a prototype surveillance system utilizing Computer Vision technology for asset tracking, and successfully integrated this system with the existing Security Management System, showcasing its viability as a proof of concept which laid the foundation for the company's exploration into IoT technology.

# LEADERSHIP

**IT Sub-Committee | NTU SCSE Oct 2023 - Sep 2024 (Expected)**

* Collaborating with a dedicated team of 11 other members to conceive, design, and implement and launch a module scheduling system, which can significantly enhance the course registration experience for the entire NTU student body of over 20,000 students.

**Welfare Orientation Group Leader | 2023 Faculty Orientation | NTU SCSE FOP Nov 2023 - Aug 2023**

* Oversaw the welfare of nearly 80 freshmen in my orientation group, prioritizing both their physical and mental wellbeing. Developed proficiency in administering basic first-aid and psychological first-aid techniques through workshops.
* Assisted ice-breaker games and activities during the orientation, fostering a positive and inclusive atmosphere for 15 freshmen.
* Shared practical insights and advice garnered from my experiences as a junior software developer and computer science student at NTU to provide mentorship to incoming freshmen. This aided them in navigating both academic and professional aspects of their journey.

# EDUCATION

**Nanyang Technological University (NTU) | Student Aug 2022 - May 2026 (Expected)**

Bachelor Degree in Computer Science

SCSE IT Sub-committee | SCSE TOP Welfare GL | Hall 13 PUSPLAY Vocalist | NTU Wine Society Member

**Singapore Polytechnic | Student Apr 2019 - Mar 2022**

Diploma in Information Technology | Software Development Specialisation | Certificate in IoT | GPA 3.739

# SKILLS

* **Languages**: C, Java, Python, JavaScript
* **Backend** Development: Express, Django, Java Spring
* **Frontend** Development: HTML, CSS, JavaScript, jQuery, React
* **App** **Development**: React-Native, Android SDK (Java)
* **Database**: MySQL, PostgreSQL, MongoDB, Microsoft SQL Server