

Tan Jing Yi | Computer Science Undergraduate

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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.

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. 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 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. Guided them through an insightful tour of the school, offering a comprehensive introduction to campus resources.
- Leveraged my background as a junior software developer and computer science student at NTU to provide mentorship to incoming freshmen. Shared practical insights and advice garnered from my experiences, aiding 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 TOP Welfare GL | SCSE IT Sub-committee | Hall 13 PUSPLAY Vocalist | NTU Wine Society Member

Singapore Polytechnic | Student

Apr 2019 - Mar 2022

Diploma in Information Technology | Software Development Specialisation | 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