

Sim Jia En Nichole

[+65 8789 1217] | [230508u@mymail.nyp.edu.sg] | [LinkedIn](#) | [Portfolio](#)

Career Objective

Motivated and detail-oriented Nanyang Polytechnic Year 2 student studying Cybersecurity and Digital Forensics with a strong foundation in cybersecurity and application development. Seeking an opportunity to apply my skills as an Application Security Intern at URA to enhance system integrity while contributing to secure and innovative applications.

Education

Diploma in Cybersecurity & Digital Forensics

Nanyang Polytechnic | Expected Graduation: March 2026

- Relevant Coursework: Relevant Coursework: Information Security Project, Application Development Project, Application Security Project, Database Management Systems, Software Engineering, Network Security
-

Technical Skills

- **Programming:** Python, Java, JavaScript
 - **Web Development:** HTML, CSS, SQL
 - **Application Security:** OWASP Principles, ZAP, Burp Suite
 - **Operating Systems:** Windows, Linux
 - **Others:** Docker, Git
-

Soft Skills

- Problem-Solving
 - Effective Communication
 - Collaboration & Leadership
 - Attention to Detail
-

Projects

1. LockBox: Enhancing Data Security for Everyday Users

- Developed a desktop application for secure data protection.
- Implemented encryption protocols to safeguard sensitive user information.

2. EarthEcho: A Sustainable Lifestyle Blogging Platform

- Designed and implemented a blogging website to foster sustainability.
- Integrated interactive features to facilitate user engagement.

3. PAWithLuv: Fundraising Website for Charity

- Built a pre-order platform for pet treats, supporting the President's Challenge 2024.
 - Managed the entire website development lifecycle, including order tracking.
-

Leadership Experience

InfoSec Club Member | Nanyang Polytechnic

January 2024 – Present

- Assisted in organizing and running cybersecurity events and workshops to promote awareness and skill development.
- Facilitated hands-on activities and interactive sessions for participants, enhancing their understanding of cybersecurity concepts.
- Created challenges and assisted with system administration for CTF events.

Volunteer Experience

- **NTUC x NDP Bay Celebrations 2024:** Assisted with event operations, ensuring a smooth and successful celebration.
 - **NYP Mentor Orientation:** Assisted in onboarding and guiding new students, fostering a welcoming community.
-

Achievements

- **Capture the Flag (CTF) Competitions:**
 - Gained hands-on experience in solving cybersecurity challenges through participation in **YCEP 2022**, **AYCEP 2024**, **YBN 2024**, and **BrainHack 2024**.
- **Certifications:**
 - Bronze Tier in the 2024 AISP Student Volunteer Recognition Program
 - Certificate of Accomplishment - HackBash x AYCEP 2024
- **Overseas Learning Experience:**
 - Participated in an **AISP-organized trip to Brunei** to learn about cybersecurity companies and practices, gaining global insights into the industry