Sim Jia En Nichole
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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 internship opportunity to apply my skills in application security, vulnerability assessment, and secure software development while contributing to a secure and resilient digital environment.

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

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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.