

Sim Jia Zheng

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SUMMARY

Proactive third-year Computer Science student at Multimedia University specializing in Cybersecurity (CGPA: 3.13). Combines a strong foundation in Python and network security tools with a passion for practical application. Actively participate in Capture The Flag and Competitive Programming events.

Eager to contribute technical skills and a problem-solving mindset to a hands-on internship.

SKILLS

- Programming Languages:** Python, C++, Java, HTML/CSS, JS/TS, Bash, SQL
- Technologies:** Vue.js, Django, OpenGL, Blender, Godot, Git, Docker, Regex, Neovim
- Networking & Security:** Cisco Packet Tracer, GNS3, Wireshark, Nmap, Burp Suite
- Operating Systems:** Linux, Windows, Virtual Machines (HyperV, VMware, VirtualBox)

PROJECTS

Cryptographic Cipher Visualization Tool | Python, PySide6 (Qt) github.com/sjz30/cipher

- Developed a desktop GUI application to encrypt, decrypt, and visualize the processes of the Playfair and Rail Fence ciphers.
- Implemented the complete logic for both ciphers from scratch, demonstrating a strong understanding of classical cryptographic algorithms.

Algorithmic Problem Solving Portfolio | Python github.com/sjz30/codes

- Developed a curated collection of 200+ solutions to challenges from platforms like Codeforces, LeetCode, Codewars, Project Euler and Advent of Code.
- Implemented and optimized solutions using data structures and algorithms, including dynamic programming.

Penetration Testing & CTF Portfolio | Wireshark, Nmap, Burp Suite github.com/sjz30/ctf

- Authored detailed reports for various penetration testing challenges (TryHackMe, Hack The Box), demonstrating a systematic security assessment methodology.
- Performed network and web application enumeration, identified attack vectors such as parameter fuzzing, and successfully gained initial access.

EDUCATION

Multimedia University Cyberjaya, MY *Bachelor's of Computer Science (Cybersecurity)* Mar 2023 — Aug 2026

- Cumulative GPA: 3.13/4.0 | Dean's List - Oct/Nov 2024
- Relevant Coursework: Operating Systems, Computer Networks, Network Security, Cryptography and Data Security, Ethical Hacking & Penetration, Blockchain & Smart Contracts

EXTRACURRICULAR ACTIVITIES

Competitive Programming Competitions

- Team Lead - CodeNecton 2022, 2023, 2024
- Solved algorithmic problems focusing on data structures and dynamic programming using Python and secured a Top 10 finish among 50+ competing teams.

Society

- Member of IT Society MMU and Hackerspace MMU

CERTIFICATIONS

HCIA-Security V4.0, Huawei ICT Academy In Progress

OTHER

- Languages:** Mandarin (Native), English, Bahasa Malaysia, Cantonese
- Hobbies and Interests:** Capture The Flag, Competitive Programming, Chess, Video Games, Swimming