Jodie Lim Zhuo Ying

Mobile: +65 9299 3706 | **Email:** jodielimzhuoying@gmail.com | **Linkedin:** www.linkedin.com/in/jodie-lim-5a3023277
| **Github:** https://github.com/jodielzy | **Website:** https://jodielzy.github.io/personal-website/

PROFILE SUMMARY

I'm an Information Security undergraduate at NUS with a strong interest in cybersecurity and web development. I enjoy tackling CTF challenges, building intuitive user interfaces, and automating tasks with code. Proficient in C/C++, Python, and Java, I bring hands-on experience from hackathons and a solid grasp of security fundamentals, programming, and system design.

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE   Aug 2023 - May 2027
Bachelor of Computing in Information Security

- Enrolled in the University Town College Programme (UTCP), residing in Residential College 4 (RC4), renowned for its theme of "Systems Thinking"
- Relevant Courses Taken: Computer Security, Introduction to Operating Systems, Introduction to Computer Networks, Data Structures and Algorithms, Digital Ethics and Data Privacy, Linear Algebra for Computing
- Programming Languages: C, C++, Java, Python, MIPS Assembly

NANYANG JUNIOR COLLEGE   Jan 2021 - Oct 2022
Singapore-Cambridge GCE Advanced Level

- Took H2 Mathematics, H2 Physics, H2 Economics, H1 Chemistry, H1 General Paper, H1 Project Work

TECHNICAL SKILLS

- Cybersecurity Skills: Encryption, Web and Network security, Call stack analysis, Reverse engineering using tools like Wireshark, Ghidra, and GDB
- Programming Fundamentals: Data Structures and Algorithms, OOP, Computer Organization, Linux Commands, Version Control in Git, Vim for efficient code editing
- Frontend: React, Tailwind CSS, HTML, Figma
- Web Development: Flask, Node, Render, Vercel
- Database: SQLite, Supabase
- Operating Systems: Process management, Memory management, and Synchronization
- Machine Learning & Data Science: Random Forest, Decision Trees, Neural Networks

EXPERIENCE

AKAMAI TECHNOLOGIES *Solutions Engineer Intern*   June 2025 – Aug 2025

- Built a tool to evaluate Web Application Firewall (WAF) and API security effectiveness.
- Deployed DVWA on Linode and tested attacks (SQLi, XSS, BOLA).
- Configured CDN, App API Protector (AAP), and Noname for threat detection.
- Compared Akamai AAP with open-source WAFs using pen-testing tools.

ACHIEVEMENTS

- Top 10 Finalists of LifeHack 2024
- Finalist of BrainHack 2024 Cyber Defenders Discovery Camp
- Top 15 Finalists of PSA Code Sprint 2024
- Top 5 Finalists of Data Decades
- Special Recognition Award of Alibaba Cloud AI Hackathon 2025

PROJECTS

TIKTOK TECHJAM 2024

- Built a dynamic web application that represents TikTok e-commerce platform, TikTok shop
- Included functions such as shopping cart, purchase, and top-up credits using a pop-up kiosk

ALIBABA CLOUD AI HACKATHON 2025, EDUTOON

- Built a multimodal AI tool that transforms lengthy, text-heavy lecture notes into comics and cartoons, making studying more engaging for students

CATCULATOR

- Built a web application that divides expenses among friends, used React for frontend, Flask for backend