

ONG ZHAO HAN



Singaporean



ongzhaohan@gmail.com



+65 9070 9120



[LinkedIn](#)



[Digital Portfolio](#)



[GitHub](#)

PROFILE

Cybersecurity and Digital Forensics graduate with hands-on experience in secure application development, vulnerability detection, and mitigation. Proficient in Python programming and OWASP-compliant security practices, with a strong focus on proactive threat detection and strengthening cybersecurity resilience through secure coding practices.

SKILLS

- Python Programming
- Network Security
- Systems Security
- Web Application Security
- Secure Coding Practices
- Malware Analysis
- Vulnerability Analysis
- Reverse Engineering
- Problem Solving
- Teamwork
- Eager to Learn
- Resourceful

EDUCATION

Diploma in Cybersecurity and Digital Forensics

Apr 2021 - Apr 2024

Nanyang Polytechnic (**GPA: 3.63**)

- Cyber Forensic Technologies & Processes
- Malware Analysis
- Network Security
- Operating Systems & Administration

GCE O' Level

Jan 2017 - Dec 2020

Unity Secondary School

- Awarded **Edusave Scholarship** (2020, 2019)
- Awarded **Edusave Certificate of Academic Achievement** (2018, 2017)

EXPERIENCE

Cybersecurity Intern at J.P. Morgan

Sep 2022

Internship

- Conducted research and vulnerability assessments on secure applications and IT networks.
- Developed Python-based tools for real-time data visualization and anomaly detection, enhancing investigative capabilities.
- Tracked malware activities and analyzed potential cyber threat actors to support threat detection efforts.
- Implemented OWASP-compliant practices to ensure application and infrastructure security.

CERTIFICATES

- **Malware Analysis and Introduction to Assembly Language** (Coursera, 2024)
- **Network Forensics** (LinkedIn Learning, 2023)
- **Operating Systems Forensics** (LinkedIn Learning, 2023)
- **Cybersecurity Foundations: Computer Forensics** (LinkedIn Learning, 2023)
- **Google Cybersecurity Professional Certificate** (Coursera, 2022)

CO-CURRICULAR ACTIVITIES

- **NYP Infosec Dec CTF** (2022)
 - **NYP Infosec Jun CTF** (2022)
 - **NYP Infosec YCEP** (2022)
 - **Code Overflow Hackathon** (2021)
 - **C# Workshop** (2021)
 - **Upper Secondary CCA Committee Member** (2019, 2020)
 - **Hamper Wrapping for Elderly** (2020)
 - **Silver in BB Character Quest Competition** (2019)
 - **BB CARES** (2019, 2018)
 - **National Day Parade Representative** (2017)
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PROJECTS

SecureLens Command Line Application **Oct 2023 - Apr 2024**

Web Application Security Testing Tool

- **Developed** Python-based tool to detect **web application vulnerabilities**.
- Followed **OWASP guidelines** to ensure comprehensive and industry-standard **security testing**.
- Implemented **logging of detected vulnerabilities** into files to aid **vulnerability analysis**.
- Improved **detection accuracy** and **efficiency** using Python libraries like **requests** and **re**.

EduSecure Web Application **Oct 2022 - Apr 2023**

Educational Security and Logging System

- Designed **centralised logging system** to track sensitive user actions
- Implemented **real-time anomaly detection** using **ELK Stack**.
- Enforced secure session management with **JWT tokens**, **Redis**, and **IP/User-Agent binding**.
- Created **audit logging** for admin accountability to ensure compliance with **secure standards**.

Tastefully Web Application **Oct 2021 - Oct 2022**

User and Data Protection Focused

- Built a secure **user authentication system** with strong password policies and **Google reCAPTCHA** to prevent bot attacks.
- Implemented **RBAC** for role-specific access controls for Admins, Members, and Guests.
- Integrated **VirusTotal API** for file analysis and secure hashed storage for data protection.
- Developed with compliance to **OWASP guidelines** to address vulnerabilities.