




# ONG ZHAO HAN

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 [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
- Operating Systems
- Computer Forensics
- 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

### J.P. Morgan Software Engineering Virtual Experience

Sep 2022

Forage

- **Configured** a secure development environment by setting up tools, dependencies, and files.
- **Debugged** repository files to optimize web application performance.
- **Developed** a real-time data visualization tool using **Perspective**, enhancing data clarity for financial monitoring.
- Gained hands-on experience in **secure development practices**, debugging, and data representation.

## 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.