Hew Yi Yun

Independent, self-motivated learner. Strives to learn more and develop new skills in the cybersecurity industry. Seeks to share knowledge and interests with other individuals.

Links

LinkedIn:
www.linkedin.com/in/hewyiyun

GitHub:
https://github.com/0necloud

Skills

Full-stack Web Development
Python
JavaScript
Data Analysis
Linux

Languages

English ★★★★☆

Chinese ★★★☆☆

Education

Singapore Polytechnic / Diploma with Merit in Infocomm Security Management
APRIL 2020 - APRIL 2023

Cumulative GPA: **3.91** / 4.00
Distinction in:
Fundamentals of Computing, Infocomm Security, Network Fundamentals, Securing Microsoft Windows, Backend Web Development, AWS Cloud Foundations, Programming For Data Science, Social Innovation Project, Secure Coding, Ethical Hacking and Defences

Yuan Ching Secondary School / GCE O-Levels
JANUARY 2016 - DECEMBER 2019

ELR2B2: **4 (Nett) 6 (Raw)**   L1R5: **7 (Nett) 9 (Raw)**

Co-curricular Activities

DISM Gryphons / Member
MAY 2021 - MAY 2023
- Took part in and helped to create multiple Capture-The-Flag (CTF) competitions

SP Ambassadors / Sub-committee Member
MAY 2020 - MAY 2023
- Took part in an etiquette workshop, personal development programme and team bonding activities
- Organizing secretary for training event

Work Experience

DSO National Laboratories
SEPTEMBER 2022 - FEBRUARY 2023 / Internship
- Researched on and performed Reverse Engineering on Operating System files to uncover potential vulnerabilities within them
- Performed the tampering of Operating System information
- Developed scripts for automated Ghidra analysis

FEBRUARY 2023 - MAY 2023 / Technical Support (Temp)
- Developed Microsoft Office extension for company staff
- Developed malware analysis pipeline for automating and

streamlining analysis of artifacts

Hobbies
Programming
Drawing
Gaming

References

Samson Yeow
Course Chair, Diploma in Infocomm Security Management, Singapore Polytechnic
[Contact me for Reference Contact]
Personal tutor and lecturer for the Education & Career Guidance 2' and 'Ethical Hacking and Defenses' modules in Polytechnic

Yap Chun Beng
Principal Member of Technical Staff, DSO National Laboratories
[Contact me for Reference Contact]
Internship supervisor at DSO National Laboratories

Projects

Secure Coding Project
Secured a web application using methods such as encrypting data in transit and at rest, using parameterized queries to prevent SQL injections, and input/output sanitization.

Secured Smartfarms Control and Monitoring System
Polytechnic's Final Year Project on creating a web dashboard for monitoring crops grown in a smart farm consisting of sensors connected via the Internet of Things. Developed using the Vue.JS framework, websockets, MariaDB database, and NodeJS.

Licenses & Certifications

- **Certified Ethical Hacker** - EC Council (2022)
- **eLearnSecurity Junior Penetration Tester** - eLearnSecurity (2022)
- **Organizational Systems Security Analyst** - ThinkSecure(r) (2021)
- **AWS Academy Graduate - AWS Academy Cloud Foundations** - Amazon Web Services Training and Certification (2021)
- **DragonSec CTF** - DragonSec SI (2021)
- **Lag & Crash CTF** - Interpoly (2021)
- **Cyber Defenders Discovery Camp** - Defence Science and Technology Agency (2020)
- **Youth Cyber Exploration Programme Central Capture-The-Flag Competition** - Cyber Security Agency of Singapore (2019)
- **Youth Cyber Exploration Programme (1st Place)** - Singapore Polytechnic (2019)

Honors & Awards

1. **Diploma with Merit** - Singapore Polytechnic (2023)
2. **Student Volunteer Recognition Programme** - Association of Information Security Professionals (2022) [Silver]
3. **Director's Honour Roll** - Singapore Polytechnic (AY21/22)
4. **Student Volunteer Recognition Programme** - Association of Information Security Professionals (2021) [Bronze]
5. **DSO Diploma Scholarship** - DSO National Laboratories (2021)
6. **Director's Honour Roll** - Singapore Polytechnic (AY20/21)
7. **Edusave Scholarship** - Ministry of Education (2019)
8. **National Youth Achievement Award (Silver)** - NYAA Council (2019)