

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/Onecloud>

Website:

<https://Onecloud.netlify.app/>

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

Distinctions 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

Hobbies

Software Development
Web Development
Penetration Testing

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

Game Wiki Site

Designed and built an entire wiki site from scratch using the VueJS Framework while practising various SEO techniques, including structured data integration with JSON-LD using the Schema.org vocabulary to enhance search engine understanding and improve indexing. Awarded the "400 Google Search Impact" achievement on Google's Search Console for reaching 400 clicks in 28 days, demonstrating effective organic growth and engagement.

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

- **Grey Cat The Flag 2024 Finals (8th Place)** - NUS GreyHats (2024)
- **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)
- **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 [Silver - 2022], [Bronze - 2021]
3. **Director's Honour Roll** - Singapore Polytechnic (AY21/22)
4. **DSO Diploma Scholarship** - DSO National Laboratories (2021)
5. **Director's Honour Roll** - Singapore Polytechnic (AY20/21)
6. **National Youth Achievement Award (Silver)** - NYAA Council (2019)