

# Hew Yi Yun

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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.

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## Links

LinkedIn:

[www.linkedin.com/in/hewyiyun](https://www.linkedin.com/in/hewyiyun)

GitHub:

<https://github.com/Onecloud>

Website:

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

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## Skills

Full-stack Web Development

Python

JavaScript

Data Analysis

Linux

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## Languages

English ★★★★★ ☆

Chinese ★★★★★ ☆ ☆

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## 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)**

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## 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

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## 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

Skills: Reverse Engineering, Ghidra Scripting

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

Skills: VSTO Programming, Docker

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## Hobbies

Software Development

Web Development

Penetration Testing

## Projects

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### Game Wiki Site

NOVEMBER 2024 - ONGOING

- Developed and designed a wiki site and incorporated SEO techniques such as using the Schema.org vocabulary to enhance search engine understanding and improve indexing
- Awarded the “600 Google Search Impact” achievement on Google’s Search Console for reaching 600 clicks in 28 days, demonstrating effective organic growth and engagement.

Skills: Vue.js, SEO, UI/UX Design

### Secured Smartfarms Control and Monitoring System

MAY 2023 - AUG 2023

- Developed a Full-Stack Dashboard to monitor and optimise Overall Equipment Effectiveness for a Smart Farm
- Created a Gateway program to emulate and broadcast real-time IoT sensor data
- Incorporated features such as Logging, Telegram Notifications, Roles-based Access Control

Skills: Full-stack Development, Redis, SQL, Scrum

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## 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)

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## 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)

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## References

### Samson Yeow

Course Chair, Diploma in Infocomm Security Management, Singapore Polytechnic (Personal Tutor)

[Contact me for Reference Contact]

### Yap Chun Beng

Principal Member of Technical Staff, DSO National Laboratories (Intern Supervisor)

[Contact me for Reference Contact]