

Chen Haowei

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ABOUT ME

I am a JC 1 student currently studying at Hwa Chong Institution, and the current Cybersecurity Section Head in the Infocomm Robotics Society. I was an executive member of ACSI's Robotics Technology Society, and worked as the Training In-Charge Head for the Coding Competition Team branch. I am deeply passionate about CTFs, computer science, and drone programming, and enjoy trying new things such as Robotics.

ACHIEVEMENTS

2025

- **CTFs**

- 1st placing in Cyberthon 2025 & Cyberslay Winner
- 1st placing in Lockheed Martin Cyberquest CTF 2025 Asia Pacific
- 1st placing in Whitehacks 2025
- 2nd placing in Codegate 2025 Quals International Junior Category
- 6th placing in GreyCTF 2025 finals
- 5th placing in GreyCTF 2025 quals
- 4th placing in CDDC Finals
- 3rd placing in SSMCTF 2025
- 3rd placing in Lagnocrash 2025
- 9th placing in Codegate 2025 Finals
- 2nd placing in Cyber Sports Day 2025 @ Sentinel Programme
- 1st placing in AI CTF 2025 Pre-U quals
- 4th placing in AI CTF 2025 Finals
- 2nd placing in Gryphons CTF 2025
- 1st placing in BlahajCTF 2025 quals
- 3r placing in BlahajCTF 2025 finals

2024

- **CTFs**

- 1st placing in Sieberrsec CTF 5.0
- 2nd placing in Blahaj CTF 2024
- 2nd placing in Whitehacks 2024
- 2nd placing in AYCEP CTF 2024
- 3rd placing in Lagnocrash 2024
- 3rd placing in YesButNo CTF 2024
- Tied 4th placing in CDDC 2024
- Finalist in NUS GreyCTF 2024
- AiSP Certificate Of Merit

- **National Olympiad in Informatics Bronze**

- **Drones & Robotics**

- Judges commendation in Singapore Amazing Flying Machine Competition (SAFMC) (CAT E/Open Category)
- 4th placing in IDE Series (Robotics Open)

- **Academics**

- O Level Founder's day award
- Certificate of Distinction (Robotics)

- UG Awards Gold (St John Ambulance Brigade)

2023

- **CTFs**
 - 1st placing in Whitehacks 2023
 - 3rd placing in Blahaj CTF 2023
 - 7th placing in Standcon CTF 2023
- **National Olympiad in Informatics Bronze**
- **Drones**
 - 1st placing in National Youth Tech Championships Drone Derby Race
 - Best Programmer award in Drone Odyssey Challenge 2023 (Swarm category)
- **Academics**
 - Top in cohort for Physics
 - Top in cohort for Literature/Social Studies (Elect)
 - Certificate of Distinction (Robotics)

EXPERIENCES & EVENTS

- **Training IC Head at ACSI Coding Competition Team (2024-2025)**
 - Was responsible for the mentorship of future generations of the CCA. Helped to organise training sessions and develop my junior's skills.
 - Aided in the publicity of the CCA in Open Houses and CCA fair.
- **Cybersecurity Section Head at Hwa Chong Infocomm & Robotics Society (2025-Now)**
- **STEM Programmes & Projects**
 - Sentinel Programme by DIS (2025-Now)
 - HCI Computing Talent Programme (2025-Now)
 - Project Small Bytes (HCI) (2025-Now)
 - Organising team and Syllabus In-Charge for project Small Bytes, a volunteer-run programme where youths come together with the aim of inspiring future generations to pick up interest in computer science.
 - We are currently teaching kids at Chua Chu Kang Primary school Python programming
 - Nanyang Research Programme (2025-Now)
 - CCDS01 - Detection of Handwritten Mathematical Expressions via Deep Learning Approaches
- **Cybersecurity Conferences & Events**
 - Volunteered at Standcon 2023 at SIT
 - Off-By-One Cybersecurity Conference 2025
 - Codegate Cybersecurity Conference 2025
 - Hack@AC 2024
 - Spearheaded the migration from an old custom CTF platform to an updated challenge runner in ReactJS.
 - Challenge setter and planner for the competition.
 - Hack@AC 2025
 - Challenge setter and planner for the competition.
 - Sieberrsec CTF 2025
 - Challenge setter for the competition.
- **DSTA Scholarship**
- **ETPS Scholarship**

SKILLS & INTERESTS

- **Programming languages**

- C
 - C++
 - Python
 - Javascript/Typescript
- **Very familiar with Linux systems**
 - Has set up AWS instances and managed systems
- **Have experience using the following web technologies**
 - Docker
 - ExpressJS
 - NextJS
 - Prisma ORM
- **CTFs**
 - Binary Exploitation
 - Very experienced in stack and heap-based binary exploitation
 - Learnt kernel-level exploitation techniques
 - Cryptography
 - Modular arithmetic, group theory
 - Familiar with various cryptosystems such as DH, RSA, ECC and AES
 - Web Exploitation
 - XSS, SSRF, XXE
 - Familiar with tools such as BurpSuite
 - Digital Forensics
 - Memory dumps, packet captures
- **Interests**
 - Very avid CTF player, leader of Cool Team. (<https://ctftime.org/team/43315>)
 - I enjoy broadening my technology-related skillset by trying new things, such as learning Arduinos from scratch.