

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
 - 3rd placing in Codegate 2025 Quals International Junior Category
 - 6th placing in GreyCTF 2025 finals
 - 5th placing in GreyCTF 2025 quals
 - CDDC Finalist
 - 3rd placing in SSMCTF 2025

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 Lag and Crash 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**
 - Sentinel Programme by DIS
 - HCI Computing Talent Programme
 - Nanyang Research Programme
 - 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
- **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.
- **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 system
- **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.