

Chen Haowei

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ABOUT ME

I am a JC 1 student currently studying at Hwa Chong Institution, 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 Lockheed Martin Cyberquest CTF 2025 Asia Pacific
 - 1st placing in Whitehacks 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
 - Finalist in NUS GreyCTF
 - Tied 4th placing in CDDC 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)

2023

- **CTFs**
 - 1st placing in Whitehacks 2023
 - 4rd placing in Blahaj CTF 2023
 - 7th placing in Standcon CTF 2023
- **National Olympiad in Informatics Bronze**
- **Drones**
 - Best Programmer award in Drone Odyssey Challenge 2023 (Swarm category)
 - 1st placing in National Youth Tech Championships Drone Derby Race
- **Academics**
 - Top in cohort for Physics
 - Top in cohort for Literature/Social Studies (Elect)

EXPERIENCES & EVENTS

- **Standcon 2023**
 - Volunteered at the Standcon cybersecurity conference at SIT.
- **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.
- **Training IC Head and experience at Coding Competition Team**
 - 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.
- **Sentinel Programme**
 - Am enrolled in the Sentinel Programme by DIS.
- **HCI Computing Talent Programme**
- **Nanyang Research Programme**

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.