Chen Haowei

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ABOUT ME

I am a JC 1 student currently studying at Hwa Chong Institution. 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 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**

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.