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 playing in CDDC Finals
  - 3rd placing in SSMCTF 2025
  - 3rd placing in Lagncrash 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

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 Lagncrash 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.