Chen Haowei

haoweichen2008@duck.com ❖ ******** ❖ https://github.com/ChenHaowei2008

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 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 Junior Category
  - CDDC Finalist

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**
  - 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)
- Certificate of Distinction (Robotics)

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**
- **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.