

Chen Haowei

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ABOUT ME

I am a Secondary 4 student currently studying at Anglo-Chinese School (Independent). I am currently an executive member of the school's Robotics Technology Society, and work 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 like Robotics.

ACHIEVEMENTS

2024

- **CTFs**
 - 1st placing in Sieberrsec CTF 5.0
 - 2nd placing in Whitehacks 2024
 - 3rd placing in Lag and Crash 2024 (Closed division)
 - Finalist in NUS GreyCTF
 - Tied 4th placing in CDDC 2024 (Pre-University division)
- **National Olympiad in Informatics Bronze**
- **Drones & Others**
 - 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 & Academics**
 - Best Programmer award in Drone Odyssey Challenge 2023 (Swarm category)
 - 1st placing in National Youth Tech Championships Drone Derby Race
 - Awarded Edusave Scholarship for Independent Schools
 - Top in cohort for Physics
 - Top in cohort for Literature/Social Studies (Elect)

EXPERIENCES

- **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

SKILLS & INTERESTS

- **Familiar programming languages**
 - C
 - C++

- Python
 - Javascript/Typescript
- **Familiar with various CTF and Linux skills**
- **Have experience using the following web technologies**
 - Docker
 - ExpressJS
 - NextJS
 - Prisma ORM
 - A lot of other things (Interview me to ask! 😊)
- **CTFs**
 - Experienced with stack and heap-based attacks to exploit binaries and reading the Libc source code to understand vulnerabilities
 - Familiar with various cryptosystems and cryptographic concepts such as finite fields and polynomial rings
 - Experienced with web penetration tools and common attacks
 - Familiar with forensics memory dump and packet analysis
- **Interests**
 - Very avid CTF player, leader of Cool Team. (<https://ctftime.org/team/43315>)
 - I enjoy trying new things and technologies such as Arduino by making an Arduino Mega controlled robot for the IDE Series competition