

AIDAN WONG

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SUMMARY

Aspiring software developer with a strong foundation in Python, web technologies, cybersecurity and game development. Specialises in user experience and eager to apply programming and design skills in a hands-on environment.

PROFICIENT SKILLS

Languages

- Python, Lua, JavaScript, SQL, PHP

Web Technologies and Frameworks

- Svelte (JS), Tailwind (CSS)

CTFs

- Web Exploitation - SQLi, SSTI, XSS, XXE, SSRF, etc. Familiar with tools like BurpSuite
- Forensics - Packet captures, disk images, file forensics

ACHIEVEMENTS

Competitions

Singapore Chemistry League 2026 - Bronze
Singapore Informatics League 2026 - Bronze, 91st place nationwide
International Mathematical Modelling Challenge 2026 - Distinction
Singapore International Mathematical and Computational Challenge 2026 - Merit
National Cybersecurity Olympiad 2026 - Silver
National Cybersecurity Olympiad 2025 - Bronze
National Junior Cybersecurity Olympiad 2025 - Silver
Singapore Physics League 2025 - Bronze
International Space Challenge 2025 - Merit
Singapore Junior Physics Olympiad 2024 - Honourable Mention

CTFs (Local)

Sentinel Programme Cyber Sports Day 2026 - 2nd overall
Sieberrsec CTF 2026 - 11th place nationwide, 8th place Pre-university category
Lag and Crash CTF 2026 - 15th place nationwide
Whitehacks CTF 2026 - 28th place nationwide
Whitehacks CTF 2025 - 16th place nationwide

CTFs (Global)

Full Weak Engineer CTF 2025 - 65th place out of 788 teams
BrunnerCTF 2025 - 181st place out of 1158 teams
scriptCTF 2026 - 83rd place out of 1249 teams
scriptCTF 2025 - 218th place out of 1189 teams

PROJECTS

Pilgrammed Build Tools

- An interactive web tool to design, share and view gear sets for the game Pilgrammed. Widely used and praised for its ease of usage and addressing of a niche.

Feline Understanding Study Companion

- A desktop companion that improves workflows for students through personalised learning behaviours and integrated study tools.

Seefood Diet

- (RVHS Gamejam'26 first place!) A procedurally generated hack-and-slash dungeon crawler. Devour your enemies and explore the depths.

EDUCATION AND CERTIFICATIONS

River Valley High School Integrated Programme

- Subject Combination: Physics, Computing, Math, Economics (H2)
- Expected Year of Graduation: 2027
- UAS: 67

National University of Singapore

- Electrical & Computer Engineering Principles & Practice
- Academic Year 2024/2025 Special Term
- Grade: B+

EXTRACURRICULAR ACTIVITIES

RV Infocomm Club - Capture the Flag

- Vice President (2026-2027)
- Member (2024-2026)

RV Science Leaders Academy

- Module Programmes Committee Member (2026)
- Member (2024-2025)

RV Mathematics Leaders Academy

- HTML Committee Head (2026-2027)
- Member (2025-2026)

RV Eagle Scout Troop

- Patrol Leader (2025)
- Assistant Patrol Leader (2024)

RV STEM Fest

- Written Section Committee Member (2025-2026)

STEM EXPERIENCES AND EVENTS

CSIT JC Computing Scholarship (2026-2027)

- Awarded by the Centre for Strategic Infocomm Technologies (CSIT) to students demonstrating exceptional aptitude in computing and technology.

Nanyang Research Programme (2026-ongoing)

NIE11 - EmoRoom - A Visual Analytics Platform for Classroom Observation Leveraging Student Emotions

- In the process of developing an interactive visual analytics system designed to analyze and summarize student emotions from classroom videos.

Sentinel Programme by DIS (2026-ongoing)

World of Science: Artificial Intelligence by DSO (June 2026)