Sean Yang

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EDUCATION

University of Waterloo   Waterloo, ON, Canada
Honours Bachelor's of Software Engineering   *Sep. 2025 - May 2030*

A. Y. Jackson Secondary School   Toronto, ON, Canada
Ontario Secondary School Diploma   *Sep. 2021 - June 2025*

SKILLS

- JavaScript, TypeScript, ReactJS, NodeJS, Tailwind CSS, Next.js
- Python, Java, HTML, C, C++, Gradle
- Firebase, SQL, Git, Netlify
- VEX Robotics

EMPLOYMENT EXPERIENCE

Jr. Camp Counsellor   **June 2024 – Aug. 2024**
The STEAM Project   *Richmond Hill, ON, Canada*

- STEAM: Science, Technology, Engineering, Arts, Math
- Helped children carry out activities, ensuring they had fun and stayed engaged

VOLUNTEER EXPERIENCE

Senior Lecturer & Problem Setter   **June 2024 - June 2025**
AYJ Coding Club   *Toronto, ON, Canada*

- Presented & led 20+ meetings on high-level programming concepts in Java, C/C++, and Python
- Authored problems with 250+ submissions for coding contests on a student-ran online judge in C++
- Improved and developed the club website used regularly by 100+ registered members
- Tutored club members on difficult Java and Python curriculum coding topics

PROJECTS

seanyang.me | *JavaScript, React, Tailwind CSS, Next.js, Netlify*   **Feb. 2025 - Present**

- A modern, responsive personal portfolio website built with Tailwind CSS 4, React JS 19, & Next.js 15
- Animated background, light/dark mode toggle, interactive tooltips, and smooth scroll animations.

aicheye's Combat Tagging | *Java, Gradle, Fabric API*   **Mar. 2025 - Present**

- Originally made for my friends' Minecraft server, I decided to make this plugin public
- Implementing object-oriented programming paradigms, event handling, using resource management best practices to optimize performance on hardware-limited servers
- Accumulated 300+ downloads on Modrinth

Quoridor | *Java*   **May 2024 - June 2024**

- Java implementation of Mirko Marchesi's strategy game Quoridor
- Wrote a minimax game agent and optimized it by 100x over the course of the project
- Pathfinding algorithms, heuristic ordering, alpha-beta pruning

AWARDS AND ACHIEVEMENTS

- OFSAA Swimming Championships 2024 Qualifier
- Certificates of Distinction: Euclid 2024, CSMC 2024, CCC Senior 2024
- COMC 2024 Performance with Distinction
- Computer Science Excellence Award
- Chemistry Excellence Award