

Ethan Zhao

Full Stack Developer — Western Ontario Engineering and Ivey AEO Double Degree Student

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Profile

Ethan is a passion-driven Engineering student studying at Western. He works in a variety of groups from small science fair teams of 4 people to squadron-wide applications serving over 200 people. With each project, Ethan expands his skillset while maintaining a high level of impact. He hopes he can continue his journey of growth and teamwork by working on larger and more influential projects.

Qualifications

Frontend: Javascript, Typescript, CSS, Tailwind, React/Nextjs, Svelte/Sveltekit

Backend: Django/Fastapi/Python, MySQL, MongoDB, Java, TensorFlow, Pandas

Web Development: Docker, Networking, Web Sockets

Education

University of Western Ontario

Engineering and Ivey HBA Double Degree

London, ON

September 2023 – May 2028

First year Engineering Representative | VP Finance Residence Council | VP Projects Western Tech
Project Manager WDS | Software lead WQC | Projects Director WFN

Leadership and Technical Experience

Robert's Rules Helper – Undergraduate Engineering Society

Co-Founder | Developer

London, ON

September 2023 – Present

- Took initiative to automate the rules and voting system in the university's engineering council.
- Developed an event stream based full stack council management web app.
- Manages voting, member proxies, and speaker priority for up to 300 concurrent users.

aPreptutors – Start up + Scheduling App

Co-Founder | Developer

Thornhill, ON

June 2023 – Present

- Co-founded a tutoring company targeted toward IB students and IB graduates.
- Created business strategies and managed full stack website development.
- Led a team of IB graduates to act as tutors and arranged advertisement accordingly.

Royal Canadian Air Cadets – Training App

Operations Warrant | Band IC | UPAR IC

Richmond Hill, ON

September 2017 – June 2023

- Oversaw all major events, such as overnight training activities, for a squadron of 225 cadets.
- Developed a training assignment app which saves over 6 hours a week for a team of 15 people.
- Handled porting all accounts and systems to a military version of Office 365 from Google.

Foursight – Gene based Cancer Detection

Web Developer

Thornhill, ON

November 2021 – June 2023

- Trained a 95% accurate AI to detect the probability and location of cancer from Micro-RNA sequences.
- Received \$7500 in funding from various science fairs and sponsors.
- Personally engineered the back- and front-end of the online AI interface.

Mindful Committee – School Journaling App

Founder | President | Developer

Thornhill, ON

September 2021 – June 2023

- Founded the club in 2021 starting with a single person club to a 30-person committee.
- Ran monthly initiatives and projects--partnering with other councils--to support Mental Health.
- Formed a school journaling app which uses AI to encourage self-reflection.