

Ethan Zhao

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

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Profile

Ethan is a passion-driven Engineering student studying at Western. He has worked in and led numerous teams from task forces to squadrons of over 200 people. With each project, Ethan expands his skillset while maintaining a high level of impact. He's currently seeking a 2024 summer position and available May 1st to August 31st.

Qualifications

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

Backend: Django/Fastapi/Python, MySQL, MongoDB, Java, AI/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.