Jeffrey Zang

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EDUCATION

University of Waterloo Waterloo, ON
Bachelor's of Computer Science (Co-Op) *Sep 2025 – Apr 2030*

EXPERIENCE

Co-Chair Jan 2023 – Present
Hack the 6ix *Toronto, ON*
- Led team of 30 to organize Toronto's largest hackathon, hosting 1100+ attendees and 200+ projects over 3 years
- Raised over $50K in sponsorship through negotiating with companies such as Microsoft, TwelveLabs, Linear
- Developed and deployed hacker dashboards using Next.js, MongoDB, Express, TypeScript, Docker, Azure

Founding Engineer Jan 2025 – May 2025
10x *Manhattan, NY*
- Built AI learning app that generates podcasts, articles, and quizzes using Swift, React Native, Supabase
- Designed concurrent request processing system using Supabase, allowing users to generate multiple courses at once
- Worked alongside Blake Anderson, founder of Cal AI to launch with 500K views, 1000+ users and $5000 in revenue

Software Engineer Intern Jul 2024 – Aug 2024
Nokia *Toronto, ON*
- Built and deployed an LLM-powered knowledge assistant using Ollama, implementing RAG over Confluence spaces
- Deployed Python (Streamlit) dashboard and LLM to Linux server using Docker, CI/CD using GitHub Actions
- Optimized document parsing pipeline by 4x, saving 15 hours of scraping time per week

Software Engineer Intern Jan 2024 – May 2024
Feroot Security *Waterloo, ON*
- Launched new web security extension, developing script, tracker, and cookie detection using VueJS
- Rebuilt documentation site for new product launch, implementing JS markdown parsing and version control

Software Developer Intern Aug 2023 – Oct 2023
SportsPort *Toronto, ON*
- Developed full-stack web app to connect students with sports coaches using React, MongoDB, TypeScript, Express

Software Developer Intern Aug 2023 – Oct 2023
uxSino *Waterloo, ON*
- Worked on tooling team to build web platform for database management using VueJS, Java (Spring Boot), MySQL

PROJECTS

Opus | *TypeScript, Swift, Electron, Tailwind, Express, PostgreSQL* July 2025
- State-of-the-art computer use model, converting prompts to realtime computer actions in the background
- Implemented novel use of MacOS Accessibility API, AppleScript, JavaScript Injection, and Bash scripting
- Built MVP in just 3 days, launched with 200,000+ social media views and 500+ users, sparking VC interest

EcoRewards | *Remix, ShadCn, TypeScript, Express, PostgreSQL* September 2024
- AI-powered receipt scanner app, allowing users to scan receipts and earn rewards, winning Hack the North
- Forked and rebuilt RBC Avion Rewards API, migrated schemas to PostgreSQL, implemented image processing

motus | *Arduino, Python, C++, Raspberry Pi* September 2023
- Vision-controlled wheelchair, built in just 24 hours for Hack the North, allowing users to move using their eyes
- Implemented pupil tracking using AdHawk AR glasses, constructed wheelchair using two 12-volt DC motors

TECHNICAL SKILLS

Languages: TypeScript/JavaScript, HTML/CSS, Java, Swift, Python, C/C++, SQL (PostgreSQL, MySQL), Bash
Frameworks: React, VueJS, Remix, Electron, Node.js, Flask, Express, Tailwind, Sass, ShadCn, Arduino
Developer Tools: Git, Docker, Microsoft Azure, Google Cloud Platform, Kubernetes, Linux