

Ezra Song

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EDUCATION

University of Waterloo, *Waterloo, ON*

Sep 2025 – Apr 2029

Bachelor of Mathematics (BMath), Honours Mathematics

EXPERIENCE

Frontend Engineer, Unmodal Research Inc.

Jan 2026 – Present

- Developing frontend features and reusable UI components for internal and client-facing research tools.
- Collaborating with engineers across the stack to ship scalable, maintainable frontend architecture.

Web Developer, DoBetter.love

Sep 2025 – Nov 2025

- Executed structured QA workflows for mobile app features, focusing on UI/UX consistency and edge-case validation.
- Filed detailed bug reports with reproduction steps and severity notes, and verified regression fixes prior to release.

Mobile App Developer, AIXFF

Jul 2025 – Aug 2025

- Built a storefront prototype in React Native and Expo, including product browsing, search, and cart flows.
- Designed modular API service layers and implemented app-wide state management using React Context.

Junior Software Engineer, North P&D

Feb 2023 – Nov 2023

- Developed React UI components, improving responsiveness and accessibility across the product.
- Performed cross-browser QA and resolved layout regressions across staging and production builds.

PROJECTS

UW Course Planner

React, TypeScript, Supabase

- Built an interactive course-planning tool for Waterloo students with drag-and-drop term organization and real-time filtering.
- Integrated Supabase OAuth for authentication and persistent user schedules, with full dark-mode support.

Lowcord

TypeScript, Node.js, WebSockets

- Developed a lightweight Discord-style chat client with real-time messaging, channels, and presence indicators.
- Designed a minimal, low-latency UI focused on keyboard-driven navigation and reduced visual clutter.

Discord Bot

Python, discord.py

- Built a multi-purpose Discord bot supporting moderation, custom commands, and server utilities.
- Deployed with persistent configuration storage and robust error handling for 24/7 uptime.

Personal Portfolio (ezrasong.github.io)

HTML, CSS, JavaScript

- Designed and developed a personal portfolio site showcasing projects, experience, and writing.
- Implemented responsive layouts and smooth animations with zero frontend framework dependencies.

HACKATHONS & AWARDS

UltraHacks 2026, University of Toronto

Winner – Best Use of ElevenLabs (MLH)

UTMIST AI² Tournament 2025, University of Toronto

Top 8 Finalist

Go On Hacks 2025, University of Waterloo

Best Pitch Award

TECHNICAL SKILLS

Languages	Python, Java, C++, C#, JavaScript, TypeScript, SQL, Racket, Perl, HTML/CSS
Frameworks	React, React Native, Node.js, Express, Supabase, Firebase
Tools	Docker, Git, GitHub Actions, Linux, REST APIs