

Edward Tran

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EDUCATION

Douglas College

Expected Graduation: Dec 2025

Diploma in Computer Science | CS SFU Transfer @2026

SKILLS

Languages *Proficient* JavaScript(2yrs) · C++(3yrs) *Intermediate* Python(3yrs) · Java(1yr) *Beginner* SQL(0.5yr) · PHP(0.5yr)

Software NextJS · Tailwind · TypeScript · Postgres · Prisma ORM · Bootstrap · Git · Unreal Engine 5 ·

EXPERIENCE

Software Engineer Resident

July 2025 - Present

Headstarter

Vancouver, BC, Canada

- Built 3+ AI engineering and fullstack projects in a fast-paced software team environment
- Developed 3+ apps in TypeScript and NextJS on Vercel with production and dev environment
- Implemented llm-chaining, hyperparameter tuning, fine tuning on 5+ LLM models controlling for latency & accuracy
- Coached by Google Machine Learning, Google Kubernetes, Two Sigma, Tesla, Figma and Citadel Engineers
- Created 120+ commits on github with 7-day deadlines getting a Career Capital increase of 40% from start date

Software Engineer Intern

Apr 2024 - Dec 2024

Douglas College

New Westminster, BC, Canada

- Built and maintained White Board ITS, a **work day management web app** used by 100+ IT staffs in Douglas College
- Deployed to production 10+ new features, reducing time spent in delegating organization tasks by **75%** for 100+ daily users
- Provided real-time information to 100+ staff in Douglas College's IT department, reducing time spent communicating and figuring out what to do for the day by 35%
- Leveraged PHP and AJAX calls to MySQL to provide accurate and secure user's CRUD, implemented IP-based secured log in

PROJECTS

AI Customer Support Platform | Open Source (~120 hours) - [GitHub Link](#)

August 2025

- Built an AI using NextJS to provide **real-time** customer support for businesses via text, chat, and calls, with escalating option
- Monorepo, built 3 separated apps with shared packages, saved 30% of computing resources
- Leveraged end-to-end error-tracking dashboard using Sentry + Convex for real-time alerts, replay session, and end-to-end trace logs, ensuring full information during development and production, reduced error tracking time by 36%
- Increased business confidence by 40% by allowing agents **White Labelling** using AWS Secrets Manager and BYOK

AI Website Builder | Published Web app & Open Source (~50 hours) - [GitHub Link](#) - [Website Link](#)

July 2025

- Used Inngest, E2B, Prisma, Postgres Neon, NextJS to create a context-aware AI website generator, handling up to **1000 daily active users** and 50,000 projects, averaging 10ms per network request, process up to 200 concurrent background jobs
- Integrated TRPC and TanStack React Query for end-to-end type safety and 3-layer security guard
- Leveraged effective prompt engineering combined with Anthropic API to generate code with 32% more accuracy

AI Customer Support Agent | Open Source (~30 hours) - [GitHub Link](#)

July 2025

- Used Firecrawl, Pinecone, VAPI, Gemini to build a context-aware AI customer support for a fintech company
- Used Firecrawl API to dynamically scrape and preprocess data, increasing data effectiveness by 55%
- Leveraged Gemini Embedding and Pinecone to vectorize scraped data, **reduced resource use by 80%** with semantic search
- Built a voice-enabled webcall experience using VAPI for real-time speech-to-text and text-to-speech interaction

Serverless Image Style Transfer | Published Web app & Open Source (~10 hours) - [GitHub Link](#) - [Website Link](#)

Aug 2025

- Built a web app to transform image styles on WebGPU using Rust, WebAssembly, Nextjs, **reducing server-side cost by 95%**

Activities

Medium Blogs: [How to build an AI website generator](#), [GPT-5: Discussing AI Capabilities](#), [Cursor is great!](#), [How to stand out in the AI era](#)