

# CAMILLE ALVE

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## SUMMARY

New grad software engineer with a Math major and CS/Stats double minor from UofT. Experienced building full stack applications with React, Python, Node.js, and PostgreSQL. Currently co-building SponsorReady, a Canadian immigration document preparation platform. Interested in AI-powered tools, data systems, and product-focused engineering roles.

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## EDUCATION

**University of Toronto - BSc, Mathematics (Major), Computer Science & Statistics (Double Minor)**

2019 - 2025

Coursework: Data Structures & Algorithms, Databases, Machine Learning, Statistical Inference, Regression Analysis, System Design

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## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, Java, SQL, C

**Tools:** Git, Docker, AWS, Figma

**Frontend:** React, Next.js, Angular, React Native, HTML/CSS, Tailwind

**Backend:** Node.js, Express, PostgreSQL, OpenAI API

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## PROJECTS

### SponsorReady - Co-founder / Marketing & Product

Currently Building

React • Next.js • TypeScript • Tailwind CSS • PostgreSQL • Claude API

- Co-building a document preparation platform for Canadian spousal sponsorship applications that guides users through 13 IRCC forms with conditional logic and AI-powered error checking
- Leading marketing strategy and content creation, targeting Filipino-Canadian and immigration communities through SEO, social media, and community outreach
- Conducting user research to validate product-market fit, inform pricing decisions (\$99/\$299 tiers), and prioritize features based on real applicant pain points
- Collaborating on product design including user flows, eligibility quiz logic, and landing page conversion optimization

### EcoSort AI - UofT Hacks Hackathon

2025

React • Node.js + Express • OpenAI API • Python • Git

- Built a full stack web app that uses AI to identify household products and provide location-specific recycling instructions for Canadian municipalities
- Implemented a barcode scanning interface in React that captures product data in real time and sends it to a Python backend for AI classification
- Integrated the OpenAI API to classify product materials and generate disposal recommendations, handling edge cases for multi-material items
- Designed UI in Figma and coordinated feature development across a team of 4, delivering a polished demo within 36 hours

### Interior Design Assistant - Personal Project

2024

React • Python • Node.js • Stable Diffusion API

- Developed a full stack app that generates AI-powered interior design concepts from user-provided room dimensions, style preferences, and existing furniture
- Integrated Stable Diffusion API with prompt engineering to produce consistent, photorealistic room visualizations
- Built a responsive UI with image gallery, favorites system, and side-by-side design comparison

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## INTERESTS

Interior Design, Fashion, Cooking & Baking, Traveling, Tech, Photography