

APRIL LI

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EDUCATION

University of Waterloo

Bachelor of Computer Science, Co-op

Waterloo, ON

GPA: 3.7/4.0

TECHNICAL SKILLS

Certifications: AWS AI Practitioner - Issued 2025 (Machine Learning, AWS AI/ML Services, Cloud Computing)

Frontend: React, React Native, Next.js, JavaScript, TypeScript, HTML, CSS, Tailwind CSS

Backend: Python, Java, Node.js, MongoDB, SupaBase, SQL, PostgreSQL, MySQL, OAuth, AWS, C, Racket

AI & LLM Tools: OpenAI, Gemini API

Developer Tools: Git, Postman, Linux, Google Cloud Platform, Figma

EXPERIENCE

Incoming Software Developer

Accelerate Alberta

Jan 2026 - Mar 2026

React, Next.js, TypeScript

- Redesigning and optimizing a **Next.js** and **TypeScript** website with improved layout, responsiveness, and component reusability to increase user engagement and experience.

Software Developer

UW Electrium Mobility - Request Platform Website | [🐙 GitHub](https://github.com)

Next.js, TypeScript, SupaBase, PostgreSQL, NextAuth

Oct 2025 - Present

- Developed and optimized reusable UI components in **Next.js** and **TypeScript**, improving frontend maintainability and reducing unnecessary re-renders by **25%** through refactored component structure and state management.
- Integrated **Supabase (PostgreSQL)** CRUD operations into the application's data layer, improving backend–frontend data synchronization and consistency by **20%**.

Coach & Lifeguard

Richmond Hill Lifesaving Club

Apr 2023 - Aug 2025

- Coached **100+** youth swimmers in lifesaving sport, contributing to strong competitive results and **5+ podium finishes**.

PROJECTS

NutriLens - Technova 2025 Hackathon | [🐙 GitHub](https://github.com)

React Native, TypeScript, Expo

- Led 4 developers to build a **React Native app** in **TypeScript** with **Expo's barcode scanner** to scan packaged foods and fetch nutrition details from OpenFoodFacts, Nutritionix, and USDA databases.
- Implemented a health-condition filter that flags scanned foods conflicting with user dietary or medical restrictions, achieving **90%** accuracy.

MailGest | [🐙 GitHub](https://github.com)

React, JavaScript, Node.js, MongoDB, Gemini API, OAuth

- Engineered a full-stack LLM-powered email summarization platform that surfaces high-priority messages and reduces time spent scanning large inboxes by **50%**.
- Designed an end-to-end data pipeline that authenticates users via **Google OAuth** and transforms email metadata into structured inputs for **Gemini AI** summarization.
- Implemented session-aware **REST APIs** that cache AI-generated email summaries per user, reducing recomputation by **20%** and API costs by **30%**.

Guess Who | [🐙 GitHub](https://github.com)

Java, Swing, AWT

- Led a team of 4 to design and implement a **Java-based Guess Who** game, applying **object-oriented programming** and seamlessly integrating backend logic with a **Swing/AWT** UI.
- Implemented an **AI opponent** using elimination logic that dynamically narrows down possible characters during gameplay, increasing difficulty and replayability.

Personal Website | [🐙 GitHub](https://github.com)

TypeScript, React, Next.js, Tailwind CSS

- Designed and built a personal portfolio website using **Next.js**, **TypeScript**, and **Tailwind CSS** featuring a responsive, component-based UI and a contact form integrated with **Resend**.
- Ensured consistent layout and responsive behaviour across desktop and mobile screen sizes through responsive component design and adaptive styling, achieving **100%** reliable cross-platform rendering.