

Yuko Murayama

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EDUCATION

The University of British Columbia

Bachelor of Computer Science

Vancouver, BC

– 2026

EXPERIENCE

Developer

Oct 2024 - Present

UBC Motion

Vancouver, BC

- Designing and implementing a database system to manage client records, appointment scheduling, and service tracking for a volunteer tax clinic
- Developing backend APIs to enable seamless data access and management, laying the foundation for scalable and efficient clinic operations.

Developer | Junior Developer

Jun 2022 - Aug 2024

Critical Mass

Vancouver, BC

- Enhanced new filter features by updating the BFF with Node.js and GraphQL to handle new filter data from the backend, collaborating closely with the backend API team to ensure seamless integration, and modifying the frontend UI to support the updated functionality
- Enhanced the user experience by introducing new color swatches, integrating dynamic configuration updates through the BFF connected to the backend API.
- Modernized the app by integrating Next.js App Router and React Server Components, and improving SEO through cross-functional collaboration with Design, Business Strategy, and SEO teams.

PROJECTS

AI Gourmet Navigator | *Next.js, TypeScript, PostgreSQL, Docker, Pinecone, Cohere AI* Apr 2024 – Nov 2024

- Developed a web app helping users in Vancouver find restaurants based on mood, with features for browsing, searching, and saving favorites.
- Fetched and processed restaurant data across Vancouver using the Google Maps API, then converted it into embedded vectors with Cohere and stored it in Pinecone for efficient similarity search.
- Transformed user mood input into embedded vectors and matched them against stored data to deliver personalized restaurant recommendations based on semantic similarity.

Summit Circle (YouCode 2025 Winner) | *TypeScript, Next.js, Supabase, Google Map API, nodemailer* Apr 2025

- Built a web app for outdoor enthusiasts to discover inclusive local events, connect with others, and engage with local businesses through a community-driven sponsorship system.
- Implemented user authentication with email verification, extended profiles, and an automated email system to notify users of new events in their preferred categories.
- Designed a relational database schema with normalized entities and foreign key constraints to ensure data integrity across users, events, categories, and attendance.

HelpingHand (nwHack 2024) | *Next.js, TypeScript, Firebase*

Jan 2025

- Developed an app connecting compassionate community members with individuals experiencing homelessness, providing mentorship, resources, and support.
- Implemented a real-time chat feature using Firebase Realtime Database.

OPEN SOURCE CONTRIBUTION

Supabase: Fixed an inaccurate code snippet in the official docs to align with JavaScript standards and improve clarity.

Next.js: Updated sitemap version history documentation in v14.2.0 to include localization support.

TECHNICAL SKILLS

Languages: Java, Python, SQL (Postgres), NoSQL (Mongo DB) JavaScript, TypeScript, HTML/CSS, R, PHP

Frameworks: React, Next.js, Node.js, Flask, Material-UI, Laravel

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Storybook, Chromatic