

Melvin Teo

✉ mthteo@gmail.com | [in/melvinhteo](#) | [melvinteo.com](#) | [meleongg](#)

EDUCATION

Bachelor of Science (B.Sc.) in Computer Science - 4.00 GPA

Expected Grad: April 2025

The University of British Columbia, Vancouver, BC

EXPERIENCE

Software Engineer Intern, Amazon

May 2023 - Present

Technologies: Java

- Optimizing the Amazon Prime membership cancellation flow for over 200 million Prime customers

Amazon Future Engineer Intern, Amazon

May 2022 - August 2022

Technologies: Bash, FreeMarker, Git, Manual Development Entry Testing

- Implemented customer-facing features (customer emails, webpage widgets) related to Pausing & Resuming for **millions** of worldwide Amazon Prime customers, helping to retain **tens of thousands** of customers annually
- Automated feature implementation across **14** countries using Bash scripts, reducing development time by **49%** and costs by **43%**
- Researched and drove a design document for content translations automation
- Created and deployed **10 AWS CloudWatch** Metrics Widgets and **20** Alarms using an AWS **TypeScript** CDK to monitor Prime Membership Pause & Resume features

Development Director, nwPlus UBC

May 2023 - Present

Technologies: Next.js, React, Firebase (Firestore, Storage, Analytics, Hosting)

- Leading a team of **6** developers to build **3** hackathon websites and maintain internal tools (QR Check-in App, Hacker Application/Information Hub & associated CMS, component library)
- Establishing industry standards and best practices to improve codebase quality and maintainability of 3 new project initiatives using **Prettier**, **ESLint**, and **CI/CD** workflows

Hackathon Logistics Director, nwPlus UBC

April 2022 - April 2023

- Spearheaded the logistics for **HackCamp 2022**, Western Canada's largest beginner-friendly hackathon, attracting **~100** participants (**76%** first-time hackers), **26** project submissions, and offering **\$1500+** in prizes
- Managed and delegated tasks amongst **3** coordinators during weekly team meetings
- Co-led the **Git 101/201** Workshop at nwHacks, Western Canada's largest hackathon, resulting in **40+** participants learning about **Git** fundamentals and advanced concepts (i.e. merging vs rebasing)

PROJECTS

Expawdition (Stormhacks 2023 - 1st Place)

[Devpost](#) | [Github](#)

Technologies: Next.js, React, Firebase (Firestore), Express, Node

- Developed an AI trip planner using the **GPT-3.5-turbo** AI model, **Google Places API**, and **Google Routes API** to generate optimized itineraries that consider user destinations, budgets, travel time, and personal preferences
- Designed a user-friendly interface using the **Chakra UI** library and custom **Figma** illustrations
- Collaborated with a team of 4, including a Project Manager, a Designer, and 2 Developers, to transform a Figma prototype into a fully functional full-stack web application within 24 hours

liftz Workout Tracker

[Demo](#)

Technologies: Next.js, React, MongoDB, Express, Node

- Developed a comprehensive workout library, weight calculator, personal record tracker, and session history calendar using the **MERN** stack
- Utilized **Next.js** server-side rendering to reduce page loading time, **Chakra UI** for a modern user interface, and **Formik** & **Yup** for robust form validation
- Implemented user authentication and sessions with **Passport.js** & **Express Validator**

SKILLS

Languages: Java, C/C++, JavaScript, TypeScript, Python, SQL, HTML/CSS

Tools & Frameworks: React, Express, Node, MongoDB, Git, Next.js, Flask, Firebase, JUnit, Bash