Melvin Teo

✉ **mthteo@gmail.com** | ☎ **(778) 927-0198** | 💼 **in/melvinhteo** | 🌐 **melvinteo.com**

EDUCATION

Bachelor of Science (B.Sc.) in Computer Science   **Expected Grad: May 2025**
The University of British Columbia, Vancouver, BC
- **Relevant Coursework:** Algorithms and Data Structures, Relational Databases, Software Engineering

SKILLS

Languages: Java, JavaScript, TypeScript, Python, HTML/CSS, SQL, C/C++
Tools & Frameworks: React, Express, Node, MongoDB, Git, Next.js, Firebase, JUnit, Bash, AWS

WORK EXPERIENCE

Software Engineer Intern, Amazon   **May 2023 - August 2023**
- Optimized the Prime membership cancellation flow for 3 million customers by 33%
- Enhanced observability for global cancellation flow traffic by refactoring CloudWatch dashboards and alarms using the AWS TypeScript SDK
- Developed a Web Cookie Override feature in Java to optimize QA A/B testing, saving 15 mins/test for hundreds of QA-automated and manual development entry tests

Amazon Future Engineer Intern, Amazon   **May 2022 - August 2022**
- Implemented Prime membership pause & resume features to retain tens of thousands of customers annually
- Reduced costs by 43% and development time by 49% by automating feature implementation across 14 countries using Bash scripts

VOLUNTEER EXPERIENCE

Director of Software Development, nwPlus UBC   **May 2023 - Present**
- Leading a team of 6 developers to build 5 user-facing sites and maintain 3 internal organizer tools
- Establishing code quality and documentation standards using tools such as Prettier & GitHub Actions
- Providing technical support to 8 non-technical subteams

Hackathon Logistics Director, nwPlus UBC   **April 2022 - April 2023**
- Directed the successful execution of HackCamp 2022, Western Canada's largest beginner-friendly hackathon, with ~100 participants (76% first-time hackers), 26 project submissions, and a prize pool of over $1500

HACKATHONS & PERSONAL PROJECTS

Expawdition (AI Trip Planner)   **Devpost** | **Github**
- Secured 1st place at Stormhacks 2023 with an innovative solution tackling trip planning using the ChatGPT AI model, Google Places API, and Google Routes API to generate optimized trip itineraries
- Built the Express/Node server API endpoints and connected it to the React/Next.js client

liftz (Personal Workout Tracker)   **Website**
- Developed a comprehensive workout tracker web app, including a workout library, a visual plate calculator, a personal record (PR) tracker, and a session history calendar using the MERN stack

phreview (Pop-up Quiz Chrome Extension)   **Website**
- Built a review pop-up quiz Chrome Extension to practice foreign language phrases
- Wrote a phrase-translation pair selection algorithm that favours pairs with lesser proficiency ratings to use in review pop-up quizzes