

# Melvin Teo

✉ [mthteo@gmail.com](mailto:mthteo@gmail.com) | ☎ (778) 927-0198 | in [in/melvinhteo](https://www.linkedin.com/in/melvinhteo) | 🌐 [melvinteo.com](https://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 3 user-facing sites and maintain 4 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

### Expawditiion (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