Melvin Teo

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EDUCATION

The University of British Columbia   **Vancouver, BC**
Bachelor of Science (B.Sc.) in Computer Science   *Expected Grad: May 2025*
- **Cumulative GPA:** 4.00/4.00
- **Relevant Coursework:** Software Construction, Computer Systems, Algorithms and Data Structures

EXPERIENCE

Amazon   **Vancouver, BC**
SDE Intern   *May 2023 - Present*
Amazon Future Engineer Intern   *May 2022 - August 2022*
- Implemented customer-facing features related to a Pause & Resume membership state for **millions** of worldwide Amazon Prime customers, helping to retain **tens of thousands** of customers annually
- Wrote **10+ Bash** scripts to automate the implementation of **11** features (e.g. customer emails, risk message widgets, etc.) across 14 countries, reducing expected development time from 1.6 years to 0.7 years, a **49%** time and **43%** cost reduction
- Researched and drove a design document for content translations automation, including a pros & cons analysis of two main options
- Created and deployed **10** AWS CloudWatch Metrics Widgets and **20** Alarms using an AWS TypeScript CDK to monitor features related to Prime membership Pause & Resume
- **Technologies**: *Bash, FreeMarker, Git, Manual Development Entry Testing*

nwPlus   **Vancouver, BC**
Development Director   *May 2023 - Present*
- Leading a team of **6** developers to build **3** hackathon websites and maintain internal tools such as a QR Check-in App, a Hacker Application/Information Hub and an associated CMS
- Establishing coding standards and best practices to improve the quality and maintainability of the codebase for **3** new project initiatives using **Prettier** and **ESLint**

Hackathon Logistics Director   *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
- Built **5** React Components for an internal UI Component Library called **Aurora** ([npm package](#))

PROJECTS

liftz Workout Tracker   **[Demo](#)**
- Developed a comprehensive workout library, weight calculator, personal record tracker, and calendar to help users efficiently track and manage their workouts using the **MERN** stack
- Utilized **Next.js** for server-side rendering and SEO (i.e. meta tags), **Chakra UI** for a clean and modern user interface, and **Formik** and **Yup** for robust form validation
- Implemented user authentication, sessions, and data validation with **Passport.js** and **Express Validator**
- **Technologies:** *React (Chakra UI), Next.js, Express (Passport.js), MongoDB (Mongoose), Figma*