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

EXPERIENCE

Amazon   **Vancouver, BC**
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**
Hackathon Logistics Director   *April 2022 - Present*
- 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 **3** coordinators and prepared itineraries for weekly team meetings
- Built **5** React Components for an internal UI Component Library called **Aurora** ([npm package](#))

PROJECTS

LastDash   [Demo](#) | [Github](#)
- Built a bus-tracking web app that allows users to enter their address and receive nearby bus stop info
- Designed a dynamic and responsive interface using React and Chakra UI
- **Technologies:** *React, Chakra UI, Firebase Cloud Firestore, Geoapify API, Translink API*

finnit   [Demo](#) | [Github](#)
- Developed a to-do list web app that allows users to manage and filter through to-do items
- Designed an interactive and responsive interface using HTML, CSS, and JavaScript
- **Technologies:** *HTML, CSS, JavaScript, Local Storage API*

Quizolingo   [Github](#)
- Built a flashcard app for users to improve their foreign language proficiencies
- Designed a minimalist user interface using the Java JSwing library
- Implemented robust and thorough exception handling with 100% JUnit code coverage
- **Technologies:** *Java, JSwing, JUnit*