

# Melvin Teo

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## EDUCATION

**The University of British Columbia**

**Vancouver, BC**

*B.Sc. in Computer Science, 90.5% GPA*

*Expected Grad: April 2025*

Relevant Coursework: Software Construction (OOP), Systematic Program Design, Models of Computation

## WORK EXPERIENCE

**Amazon**

**Vancouver, BC**

*SDE Intern, Prime CARE*

*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+** automation scripts to implement **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
- 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
- Researched and drove a design document for content translations automation, including a pros & cons analysis of two main options

## VOLUNTEER EXPERIENCE

**nwPlus ([Site](#))**

**Vancouver, BC**

*Hackathon Logistics Director*

*April 2022 - Present*

- Spearheading the logistics behind **HackCamp 2022**, Western Canada's largest beginner-friendly hackathon
- Managing **3** coordinators and preparing itineraries for weekly team meetings
- Created and delegated **4** major roles (e.g. Hacker Engagement) for each team member to undertake

*Hackathon Logistics Coordinator*

*April 2021 - April 2022*

- Collaborated with **3** other team members to organize logistics for **HackCamp 2021**, attracting **500+** registrants, **30+** project submissions, and **\$1800** in charity donations
- Led communications with **8** other subteams (e.g. Sponsorship, Dev, etc.) to ensure HackCamp Judging, Prizing, and Mentors logistic deliverables were met

## PROJECTS

**LastDash ([Site](#) | [Repo](#))**

*August 2022*

- 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
- Implemented data persistence using Firebase Cloud Firestore, Geoapify API, and Translink API

**finnit ([Site](#) | [Repo](#))**

*April 2022*

- 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
- Implemented data persistence using the Local Storage API

**Quizolingo ([Repo](#))**

*February 2022 - April 2022*

- Built a flashcard app for users to improve their foreign language proficiencies
- Designed a minimalist user interface using the JSwing library
- Implemented robust and thorough exception handling with **100%** JUnit code coverage

## TECHNOLOGIES

HTML & CSS | JavaScript | React | Firebase Cloud Firestore | NoSQL | Git & GitHub | Bash | Basic AWS