

# LINDA LIU

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## EDUCATION

### University of British Columbia

Vancouver, BC

Bachelor of Science in Computer Science

Expected Graduation: May 2026

- Relevant Coursework: Algorithm Design and Analysis, Software Engineering, Relational Databases, Artificial Intelligence, Machine Learning, Computer Hardware and Operating Systems, Human-Computer Interaction

## EXPERIENCE

### Agile Developer Intern

September 2024 – August 2025

SAP

Vancouver, BC

- Delivered a new chart feature in SAP Analytics Cloud as sole developer in collaboration with UX and QA leads
- Implemented and validated 90+ bug fixes using Typescript, React, Redux, and Jest, with immediate backporting
- Optimized 400+ unit tests by transitioning from Jasmine to Jest, increasing developer efficiency by up to 70%
- Refactored legacy code and introduced unit tests to improve scalability, readability, and increase code coverage
- Awarded Fast Track recognition for demonstrating exemplary teamwork and maintaining an ambitious mindset

### Undergraduate Research Assistant

May 2024 – August 2024

University of British Columbia

Vancouver, BC

- Labeled 150+ equine radiographic images with RectLabel to optimize custom machine learning model results
- Evaluated deep learning models using RetinaNet for bounding box localization and ViTPose for pose estimation
- Discussed and proposed custom machine learning algorithms with veterinarians to best address requirements

## PROJECTS

### Stardew Valley NPC Tracker (In Progress) | JavaScript, Node.js, Axios, Cheerio, Supabase

- Developing a web application that displays characters' schedules given calendar date, weather, relationship status
- Automating database population by implementing a web scraper and parser to retrieve, clean, and import data

### insightUBC | Typescript, Node.js, React, Express, Mocha, Chai, Git

- Developed a RESTful web application that queries metadata of UBC buildings, rooms, and course offerings
- Implemented query engine to process metadata through an HTML/JSON parser and read queries in EBNF form
- Applied test driven development practices using Mocha framework and Chai library, reaching 92% line coverage
- Designed an intuitive user interface that satisfied visual design principles and fulfilled user design requirements

### Restaurant Manager Database | PHP, SQL, HTML/CSS, Git

- Worked in a team to develop a database driven web application that actively queries and updates stored data
- Created SQL tables to manage employee information, organize customer reviews, and track kitchen inventory
- Implemented insert, delete, update, and 8 advanced queries to function through an intuitive user interface

## EXTRACURRICULARS

### Vice President, Finance

January 2022 – April 2023

UBC Data Science Club

Vancouver, BC

- Planned UBC's first artificial intelligence conference scheduled with industry panels and academic speakers
- Coordinated a 14-day long beginner friendly sustainability-oriented case competition preceding AI conference
- Outlined and helped prepare biweekly introductory data science workshops for data science club members
- Effectively advertised the club to the student body and grew a community of over 400 members in 4 months

### Operations Volunteer

October 2022 – March 2023

Vancouver Orphan Kitten Rescue Association (VOKRA)

Vancouver, BC

### Visitor Educator Volunteer

August 2017 – March 2019

New England Aquarium

Boston, MA

## TECHNICAL SKILLS

**Languages:** Typescript, Javascript, Python, Java, C++, SQL, HTML, CSS

**Frameworks and Libraries:** React, Redux, Node.js, Express, Jest, Jasmine, Mocha, Chai, JUnit

**Developer Tools:** Git, Bash, Jira, Gerrit, Git Extensions, Visual Studio Code