

# ALLISON TAO

Vancouver, BC

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Available start date: May 12, 2025 / End date: September 1, 2025

## Education

University of British Columbia

Vancouver, BC

Bachelor of Science in Mathematics

Sept 2022 - May 2026

- **Awards:** 2nd place - UBC WiDS (Women in Data Science) x SAP Case Competition
- **Relevant Coursework:** Linear Algebra, Computation Models, Software Construction, Computer Systems, Data Structures and Algorithms, Intro to Data Science
- **Certifications:** The Complete 2024 Web Development Bootcamp

## Skills

**Technical Languages:** HTML/CSS, JavaScript/TypeScript, R, C++, Java, Python

**Frameworks/libraries:** React.js Node.js, Express, Bootstrap, JSON, JUnit

**Developer Tools:** Git, SQL, PostgreSQL, Google Firebase, Postman

## Technical Projects

MoveOn | Javascript, React, MongoDB

Aug 2024

- Fitness tracking app providing **customizable AI generated** workout plans based user goals and fitness levels
- Utilized **JavaScript** and **React** for frontend, store user profiles using **MongoDB** in the backend
- Integrated a **food database API** to allow users to log their meals, track calorie intake, and receive tailored nutritional recommendations

ApexFit (UBC youCode Hackathon) | React, TypeScript, Firebase, ML5.js

April 2024

- Utilized **ML5.js computer vision** to automate capturing photos of users completing health and wellness tasks, such as drinking water to promote healthy living habits
- Implemented user tracking with **Google Firebase** to ensure accurate monitoring and data management.
- Developed the front-end interface using **React** and **TypeScript** for a seamless user experience.

ThriveThreads (UBC cmd-f Hackathon) | React, CSS, Node.js, Cohere API

March 2024

- Developed an **automated chatbot** with **Cohere** to provide health and wellness responses to user-submitted questions
- Integrated **Cohere's Rerank Multilingual Model** to enable users to set default languages and translate other users' responses, enhancing accessibility and communication
- Developed the user interface with **React** and **CSS**, ensuring a visually appealing and functional web experience

AI Integration Proposal for SAP | Python, Machine Learning, Data Analysis/Visualization

March 2024

- Utilized market research techniques and competitor analysis to evaluate competitors' AI integration strategies - conducted SWOT analysis to compare produces and derive actionable insights
- Employed **Pandas** for data manipulation, cleaning, and preparation
- Built and trained a linear regression model to predict customer churn, used **scikit-learn's 'LinearRegression'** for model training and **'mean absolute error'** for performance evaluation

## Experience

Math Tutor Network

April 2023 - Ongoing

Junior Academic Tutor

Vancouver, BC

- Provide private and personalized math tutoring for elementary and high school students, tailoring to the student's unique learning needs

UBC Science Undergraduate Society

Sept 2023 - Ongoing

Marketing Coordinator

Vancouver, BC

- Designed and created compelling graphics and provided graphic design suggestions, enhancing the visual appeal and effectiveness of marketing materials
- Leveraged social media platforms (**instagram, facebook, tiktok**) to actively engage the faculty of science (**8000+** students) by posting events and updates, significantly boosting interaction and participation