

# Connor Young

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## EDUCATION

### University of British Columbia

Bachelor of Arts – Major in Computer Science – Cumulative GPA: 3.9

Apr 2026

Vancouver, BC

## EXPERIENCE

### Software Engineer

Aug 2024 – Present

UBC Learning Centre – Contract Part-time

Vancouver, BC

- Developed educational applications for **3500+ students** and **20+ professors** using **TypeScript**, enabling non-technical professors to customize class templates and quizzes easily
- Implemented a quiz cross-word puzzle template using **TypeScript** for professors to boost their student engagement during assessments and assignments
- **Researched and developed a SCORM program**, using a technical design document (TDD), for implementing JavaScript into Canvas to create custom quizzes, and provided training on its implementation and usage
- Collaborated with professors for project planning and direction, ensuring efficient development and deployment

### AP Computer Science Tutor

Apr 2024 – Present

BeWise Education – Part-time

Remote

- Tutored AP students in **object-oriented programming (OOP)** and **Java**, focusing on design patterns, abstraction, encapsulation, inheritance and polymorphism
- Monitored student progress, offering regular feedback and adjusting tutoring methods to meet learning needs
- Guided students through **data structures and algorithms**, enhancing their understanding of key computer science theories

## TECHNICAL PROJECTS

### Advizr | React, Python, flask, cohere API

Sept 2024

- Created an AI academic advisor to assist students in the course selection process for 200+ universities
- Using **retrieval-augmented generation (RAG)**, developed a deterministic LLM with **cohere API** for accurate and reliable course info
- Reduced parse time of 70000+ lines of data by 530% using cohere APIs re-rank function that grouped data based on probability of correct response, helping users get a response in 1.5s
- Collaborated with three teammates to develop ideas, bug fix, and learn new frameworks in Hack the North 2024

### Stock Scout | Python, Pandas, PyTest, PySimpleGui, matplotlib

Jul 2024

- Designed an object-oriented **Python** app to monitor stock market data and improve investment decisions
- Analyzed 700+ stocks using **pandas**, Yahoo Finance API, and matplotlib for real-time price visualization
- Implemented CI/CD pipelines with GitHub Actions, following an **agile software development life cycle**
- Utilized **PyTest** to create unit tests, achieving 98% code coverage, and ensuring robust and coherent code

### Path Finder | React, Django, SQLite, OpenAI API

May 2024

- Developed an itinerary planning web app utilizing OpenAI API generating travel plans for 4000+ cities
- Engineered a SQLite database with a **RESTful API** using **Django** for data storage and CRUD functionality
- Assembled an engaging UI design leveraging **React** and CSS promoting quality experience and interaction
- Streamlined an algorithm sorting AI-generated output into JSON for 90% faster parsing, storage, and retrieval

### Liftify | Java, JUnit, Java Swing

Jan 2024

- Assembled a workout records tracker in **Java**, promoting user convenience, organization, and improvement
- Created an algorithm to filter workout data based on user input, providing insight for specific workout categories
- Implemented unit testing with **JUnit** for 100% code coverage, promoting robust code and reliable data storage

## SKILLS

**Languages:** Python, JavaScript, TypeScript, , HTML/CSS, Java, C/C++, SQL, Assembly, Racket

**Frameworks/Libraries:** React, Django, pandas, Axios, PyTest, JUnit, Firebase, flask, Node.js, MongoDB, OpenAI, cohere, Express, Docker, Tailwind CSS, PyGame

**Developer Tools:** Git, MySQL, PostgreSQL, Figma, Visual Studio IDE, DBeaver, SQLite, GitHub Actions

**Concepts:** Frontend Development, Backend Development, Full stack Development, RESTful APIs, DevOps, CI/CD, Unit Testing, Real-time Databases, Routing, Data Visualization, Authentication, Version Control