

Connor Young

✉ conryoung4@gmail.com  linkedin/in/conryoung  github.com/youngconnorr  youngconnor.com

EDUCATION

University of British Columbia

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

Expected Graduation Apr 2026

Vancouver, BC

EXPERIENCE

Software Engineer

Sept 2024 – Present

UBC Learning Centre – Contract Part-time

Vancouver, BC

- Developed educational applications for **3500+ students** and **20+ professors** focusing on creating software that non-technical professors can access and implement easily into their courses
- Built interactive learning tools using **JavaScript** and **SCORM API**, including a quiz-integrated crossword puzzle focused on detailed feedback and an intuitive interface
- **Authored a SCORM document** for the entire UBC Learning Centre to guide software engineers on SCORM best practices and implementation into Canvas LMS
- Collaborated with professors to **deploy 10+ projects**, enabling drag-and-drop functionality for website creation and custom quizzes

AP Computer Science Tutor

Apr 2024 – Present

BeWise Education – Part-time

Remote

- Tutored AP students in **object-oriented programming (OOP)** and **Java**, focusing on coding fundamentals
- 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

AI Academic Advisor | Hackathon Project | [DevPost](#) | *React, Python, flask, cohere API*

Sept 2024

- Created an AI academic advisor to assist students in the course selection process for 200+ universities
- Developed a deterministic large language model (LLM) using **Retrieval-Augmented Generation (RAG)** with the **Cohere API**, integrating multiple university course APIs to deliver accurate and reliable course information
- **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 Analyzer | Personal Project | [Github](#) | *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

AI Itinerary Planner | Team Project | [Github](#) | *React, Django, 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

Workout Progress Tracker | Personal Project | [Github](#) | *Java, JUnit, Java Swing*

Jan 2024

- Programmed 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, Java, 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