Connor Young

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Education

University of British Columbia Expected Graduation Apr 2026
Major in Computer Science B.A *Vancouver, BC*

Technical Skills

Languages: Python, Java, JavaScript, TypeScript, Elixir, C/C++, SQL, HTML/CSS
Frameworks/Libraries: React, React Native, PostgreSQL, Phoenix, GraphQL, Django, pandas, Node.js
Developer Tools: Git, PostgreSQL, Apache Superset, GitHub Actions, Figma

Experience

Software Engineer Sept 2024 – Present
UBC Learning Center – Part-time *Vancouver, BC*

- Developed software for 2,500+ students and 20+ professors, creating solutions to streamline course organization
- Utilized Python, PostgreSQL, and Apache Superset to create an ETL pipeline for a scheduling dashboard with 150+ classes for real-time insights to optimize scheduling efficiency and automated data transfers using scripts
- Spearheaded the design of a data scraping script using Python and Beautiful Soup to organize 180+ class requirements for 12 majors reducing manual labor
- Combined JavaScript and the SCORM API to build learning tools such as a quiz-integrated crossword puzzles into Canvas for courses of 200+ students
- Collaborated with professors to develop custom quiz software, organize faculty data, and provide IT support

Computer Science Tutor Apr 2024 – Mar 2025
BeWise Education *Remote*

- Tutored advanced placement (AP) students in object-oriented programming (OOP) and Java
- Designed custom lesson plans tailored to student needs, for understanding complex concepts
- Leveraged visual aids and diagrams to simplify abstract programming concepts, improving comprehension by 30%

Technical Projects

MarketMirror | *React, Elixir, GraphQL, Absinthe, YFinance API* Mar 2025

- Developed an investment portfolio tracking app to show gain or loss based on buy price and current market price
- Utilized Elixir, Phoenix, and GraphQL for a scalable backend, using subscriptions for real-time stock price updates
- Created a modern and robust UI using React with TypeScript and CSS showcasing a sleek user portfolio
- Integrated the YFinance API to ensure accurate data and real-time calculations of investment performance

Moodify | *React Native, Expo, Spotify API, OpenAI API* Jan 2025

- Built an app that curates Spotify playlists by analyzing mood, photos, weather, and time for a unique experience
- Leveraged OpenAI and Spotify APIs to analyze liked songs and curate unique playlists based on user input
- Engineered a React Native UI with Expo to render different components and visuals based on user input
- Led a team at NwHacks 2025 to pivot from failure to a working app in 12 hours while all learning new frameworks

Advizr | *React, Python, flask, cohere API* Sept 2024

- Created an academic advisor with React and Python to assist students in course planning for 200+ universities
- Developed Retrieval-Augmented Generation (RAG) model on class data using the Cohere API, Python, and flask
- Reduced the AI response time by 530% using cohere APIs re-rank function achieving a 1.5s response
- Collaborated with three teammates to develop and pitch ideas, and learn frameworks in Hack the North 2024

PathFinder | *React, Django, OpenAI API* May 2024

- Developed an itinerary planning React 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
- Streamlined an algorithm sorting AI-generated output into JSON for 90% faster parsing, storage, and retrieval

Volunteering

Hackathon Mentor – nwHacks UBC Oct 2024

- Mentored at a 200+ participant 24-hour hackathon, debugging API calls, React, and version control
- Collaborated with over 50 mentors to ensure seamless event operations and a supportive environment for hackers