Connor Young

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EDUCATION

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

SKILLS

Languages: Python, JavaScript, Java, C, C++, Assembly, Racket, HTML, CSS
Frameworks/Libraries: React, Django, pandas, PyTest, JUnit, Firebase, flask, Node.js, MongoDB, Express, Docker
Developer Tools: Git, Figma, Visual Studio IDE, GitHub Actions, Version Control

EXPERIENCE

Software Developer — Sept 2024 – Present
University of British Columbia – Part-time — *Vancouver, BC*
- Developed software for 3,500+ students and 20+ professors, creating solutions to streamline course organization
- Spearheaded the design of a data scraping tool using Python, Beautiful Soup, and pandas to automate the organization of 180+ class requirements for 12 majors, streamlining faculty planning and reducing manual labor
- Built interactive learning tools for 700+ students using JavaScript and SCORM API, including a quiz-integrated crossword puzzle focused on detailed feedback and an intuitive interface
- Collaborated with professors to develop custom quiz software, organize faculty data, and provide IT support

AP Computer Science Tutor — Apr 2024 – Present
BeWise Education — *Remote*
- Tutored advanced placement (AP) students in object-oriented programming (OOP) and Java
- Designed and implemented custom lesson plans tailored to student needs, enhancing understanding of complex programming concepts and problem-solving efficiency by 30%
- Leveraged visual aids and diagrams to simplify abstract programming concepts, improving comprehension by 30%
- Enhanced student performance by 20% using progress tracking, targeted feedback, and fostering critical thinking

TECHNICAL PROJECTS

RAG Academic Advisor | [Github](#) | *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

Stock Analyzer | [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 | [Github](#) | *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

Workout Progress Tracker | [Github](#) | *Java, JUnit, Java Swing* — Jan 2024
- Programmed a workout records tracker in Java, promoting user convenience, organization, and improvement
- Implemented unit testing with JUnit for 100% code coverage, promoting robust code and reliable data storage
- Constructed a dynamic GUI using Java Swing, optimizing user interactions and enhancing overall usability

VOLUNTEER

Hackathon Mentor – nwPlus UBC — Oct 2024
- Mentored 200+ participants at a 24-hour hackathon, debugging API calls, React, and version control
- Advised on project ideation and technical execution, contributing to multiple teams achieving finalist recognition
- Collaborated with over 50 mentors to ensure seamless event operations and a supportive environment for hackers