

# Connor Young

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Vancouver, BC | Calgary, AB

## EDUCATION

### University of British Columbia

Bachelor of Arts – Major in Computer Science

April 2026

Vancouver, BC

- GPA: 3.90
- Courses: Computation, Programs, and Programming, Models of Computation, Object Oriented Programming

## EXPERIENCE

### AP Computer Science Tutor

April 2024 – Present

Self-employed

Remote

- Tutored high school students in **object-oriented programming (OOP)** and **Java**, focusing on data structures, algorithms, system design, and coding fundamentals, leading to an average **grade increase of 15%**.
- Created in-depth lessons emphasizing application-based learning, resulting in stronger fundamentals and problem-solving skills.
- Guided students through complex algorithms such as 2D arrays, recursion, and search, enhancing their grasp of essential computer science theories and concepts.

## TECHNICAL PROJECTS

### Stock Scout - Stock Analyzer | Python, Pandas, PyTest

July 2024

- Designed a **Python** app to monitor real-time stock market data, providing users with accurate information to make informed investments and save their portfolio
- Analyzed **500+ stocks** using **Pandas** and **Yahoo Finance API**, while visualizing stock value through matplotlib, leading to data-driven insights and strategic investment decisions.
- Implemented CI/CD pipelines through **GitHub Actions** and **Ubuntu**, adhering to the Software Development Life Cycle (SDLC) to ensure streamlined and automated development and deployment processes.
- Developed comprehensive Python unit tests utilizing PyTest, Pandas, and NumPy successfully **achieving a code coverage of 100%**, significantly enhancing code reliability and ensuring robust application performance.

### Path Finder - AI Travel Planner | React, Django, PostgreSQL, OpenAI API, CSS

May 2024

- Developed an intelligent itinerary planning web application using **OpenAI API's** Natural Language Processing (NLP) to generate personalized travel plans for **4000+ cities**.
- Engineered a **PostgreSQL** Realtime Database with a **RESTful API** and **CRUD** using **Django** for seamless user itinerary management, allowing effortless creation and deletion.
- Developed a responsive and engaging user interface design with **React**, leveraging **React routing**, state management, and **CSS** techniques to optimize user experience and foster interaction.
- Streamlined an algorithm for intelligent sorting of AI-generated output into JSON format for 90% faster parsing, facilitating efficient data storage and retrieval for individual users

### Mind Fit - Exercise Provider | React, Firebase, Git, CSS

April 2024

- Programmed an interactive **React** app to integrate personalized exercise and meditation into students' schedules, incorporating with omnichannel features.
- Integrated **Firebase** for user authentication, securely storing user preferences and workout history.
- Achieved an honorable mention at the YouCode 2024 Hackathon, competing against 200 participants.

### Liftify - Workout Progress Tracker | Java, JSON, JUnit, Java Swing

January 2024

- Assembled a comprehensive **Java** application enabling individual exercise logs across workout categories, elevating user convenience and data organization.
- Implemented unit testing with **JUnit** for 97% code coverage, promoting robust code and reliable data storage.

## SKILLS

**Languages:** Python, Javascript/Typescript, Java, HTML/CSS, Racket

**Frameworks/Technologies:** React, Django, pandas, Axios, JWT, Git, Firebase, Node.js, MongoDB, Express, Docker, Tailwind

**Concepts:** Frontend Development, Backend Development, Fullstack Development, Data Structures and Algorithms, RESTful APIs, DevOps, Product Management, Version Control, Regex, Source Control, Data Parsing