

# Connor Young

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## EDUCATION

### University of British Columbia

Bachelor of Arts – Major in Computer Science

April 2026

Vancouver, BC

## EXPERIENCE

### Computer Science Tutor

April 2024 – Present

BeWise Education

Remote

- Tutored high school students in **object-oriented programming (OOP)** and **Java**, consistently improving their understanding and confidence through personalized instruction and hands-on practice..
- Adapted the curriculum to the needs of the student and explained complex concepts to easily explainable ideas.
- Guided students through algorithms and data structures, enhancing their understanding of key computer science theories.

### Sales Associate

June 2023 – August 2023

JD Sports

Calgary, AB

- Delivered service to **1,000+ customers**, strengthening adaptability and handling high-pressure environments.
- Collaborated with management to streamline store operations, managing over 100 customers simultaneously.
- Organized and tracked 750 boxes of products, working alone and in groups to meet strict deadlines.

## TECHNICAL PROJECTS

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

July 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 the Software Development Life Cycle (**SDLC**) for development and deployment.
- Utilized **PyTest** to create unit tests, **achieving 98% code coverage**, and ensuring robust and coherent code.

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

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.

### Mind Fit | React, Firebase, Git, CSS

April 2024

- Programmed an interactive **React** app to integrate personalized exercise and meditation into students' schedules.
- Integrated **Firebase** for user authentication, securely storing user preferences and workout history.
- Collaborated with new developers, delegating tasks, and creating an efficient workspace for the team.
- Achieved honorable mention at the YouCode 2024 Hackathon, competing against 200 participants.

### Liftify | Java, JUnit, Java Swing

January 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 97% code coverage, promoting robust code and reliable data storage.
- Constructed a dynamic GUI using Java Swing, optimizing user interactions and enhancing overall usability.

### Photography Portfolio | React, HTML, CSS

April 2023

- Engineered a photography portfolio website using **React**, focusing on an interactive user experience.
- Designed a responsive front-end with **JavaScript** and CSS, implementing circular arrays for photo navigation.
- Implemented JSON storage database to optimize data management efficiency and enhance storage flexibility

## SKILLS

**Languages:** Python, JavaScript, TypeScript, Java, HTML, CSS, SQL, Racket

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

**Developer Tools:** Git, MySQL, PostgreSQL, Figma, Visual Studio, 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