

Colton Blackwell

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📍 Vancouver, B.C.

🌐 LinkedIn (linkedin.com/in/colton-blackwell)

🐙 GitHub (github.com/coltonBlackwell)

Portfolio (coltonblackwell.github.io)

TECHNICAL SKILLS

- **Languages:** Python | Java | C | C++ | SQL | JavaScript | Rust | HTML/CSS | Assembly
- **Technologies:** MySQL | Git | Github | Unix command line | Excel | Visual Studio Code
- **Operating Systems:** GNU/Linux (Ubuntu, Majaro) | Windows | MacOS | Android | IOS

TECHNICAL PROJECTS

[scRNA-seq Cluster Analysis](#) 🔗

March 2024

Special Topics in Data Mining: CMPT 459 (SFU)

- Enhanced Python proficiency covering syntax and NumPy for numerical operations.
- Acquired hands-on experience in implementing K-means clustering.
- Focused on centroid initialization, updates, and Euclidean distances.
- Developed preprocessing skills for .csv datasets.

[Koi Kapers](#) 🔗

September - December 2023

Introduction to Software Engineering: CMPT 276 (SFU)

- Utilized Java as primary language while integrating JPanel and Graphics2D for UI.
- Built project using Maven for easy testing and dependency management.
- Measured branch and instruction coverage for testing using JaCoCo.

[SQL Programming and Normalization](#) 🔗

November 2023

Database Systems I: CMPT 354 (SFU)

- Constructed database in MySQL for the creation of tables and inserting records.
- Queried data for specific instances using SELECT, FROM, WHERE, etc.
- Located the functional dependencies in a relation and checked for unwanted redundancy.

HACKATHON

[New Leaf](#) 🔗

October 2023

Fall Hacks 2023 (SFU)

- Utilized JavaScript for backend infrastructure and reliable user input.
- Integrated CSS and HTML for an engaging and responsive user interface.
- Employed version control (git) for effective code management throughout the hackathon.

CERTIFICATES

SQL Essential Training

March 2024

LinkedIn Learning

- Achieved SQL proficiency for manipulating data in relational databases.
- Explored techniques for organizing query results by grouping data, facilitating data analysis.

C Programming - Pointers, Constants, and Strings

February 2024

Alison

- Mastered pointer manipulation for efficient memory access and data handling in C.
- Improved string and constant management skills for effective data manipulation.

EDUCATION

BSc. in Computer Science

September 2021 – April 2025

Simon Fraser University (SFU), Burnaby, B.C.

- Completing within the next year while managing a full course load.