

Xavier Muise-Fasci

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EDUCATION

Dalhousie University | Halifax , Nova Scotia

Bachelor of Computer Science | GPA: 4.09 / 4.30

May 2026

Relevant Courses: Data Structures & Algorithms, Foundations of Machine Learning, Foundations of Data Science

SKILLS

Programming Languages : Java, C, C#, Python, SQL, JavaScript, Assembly

Frameworks/Libraries : Pandas, NumPy, Matplotlib, scikit-learn, Node.js, JUnit, freeGLUT / OpenGL

Tools : Git, Unity, Firebase, Android Studio, Excel (VBA), Word

Languages: fluent in both French & English

PROJECTS

Magic Mayhem (2.5D roguelike platformer) | Game Design & Dev. Project (Unity) October - December 2025

- Collaborated with 4 other students to create a video game to present in class
- Implemented core player movement and combat using Unity CharacterController, including attacks/abilities, hit detection, and cooldown handling
- Designed a modular item/buff system (e.g., speed/strength/intelligence/cooldown/lifesteal) using OOP patterns to keep pickups and stat effects reusable and easy to extend
- Integrated UI and game-state feedback (buff UI, win/lose states, pause behavior) plus audio control across scenes

MySQL NBA Database project | Intro to Database Systems Assignment (MySQL, Java) January - April 2024

- Designed and created a custom NBA database using a mix of real and generated data, having multiple related tables that adhere to 3rd normal form
- Programmed java code to organize the data from spreadsheets/files and insert the data into the database quickly and efficiently , automating the data import process
- Created sets of queries to show off the database which used stored procedures and subqueries

Quick Cash Android App | Software Engineering Assignment (Java, Git, Agile) September - December 2024

- Worked with a group of 5 other students to create an android studio app using the agile methodology, creating user stories and assigning story points to them over the course of 3 sprints
- Utilized pair programming with team members to create a more cohesive codebase
- Integrated a firebase realtime database to manage user data and store jobs efficiently
- Utilized Test Driven Development (TDD) to implement and refine key features, ensuring our code was robust and maintainable
- Delivered a fully functioning app on time, adhering to all client requests

PROFESSIONAL EXPERIENCE

Summer Intern | Transport de Clare | St Bernard, Nova Scotia

May - August 2025

- Resolved issues / added entries in sage accounting software
- Developed and optimized excel sheets using VBA, data validation, functions, etc to reduce manual work
- Taught advanced excel to other employees

Law Firm Secretary | MuiseLaw Inc | Meteghan River, Nova Scotia

Summer 2020-2024

- Answered the phone, booked appointments, processed payments
- Became proficient with applications such as word and excel
- Provided professional support in both English and French