

# Xavier Muise-Fasci

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## EDUCATION

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**Dalhousie University | Halifax , Nova Scotia**

**Bachelor of Computer Science | GPA: 4.02 / 4.30**

**May 2026**

**Relevant Courses:** Data Structures & Algorithms, Systems Programming, Software Development, Intro to Database Systems

## TECHNICAL SKILLS

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**Programming Languages:** Java (Advanced), C (Advanced), Python (Intermediate), MySQL (Intermediate), JS (Beginner)

**Misc Programming Skills :** git, OOP, JUnit, Pandas, NumPy, Matplotlib, Swing, HTML, CSS

**Interpersonal skills :** French, English, Quick Learner, Teamwork

## PROJECTS

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**Java 2D Video Game | Personal Project (Java, Swing, OOP)**

**June 2023 - Present**

- Programmed a top-down classic zelda-esque game in Java from scratch
- Implemented game graphics and UI using Swing
- Utilized OOP concepts such as inheritance and polymorphism for entities (Player, NPC, Enemies) and items (Door, Chest, Boots, etc)

**Fully associative Cache Simulator | Systems Programming Assignment (C)**

**April 2024**

- Designed and implemented a cache simulator that took bytes of memory and stored them in a virtual cache so that they could be accessed quickly again
- Implemented C concepts such as structs, memory management , bit manipulation to handle data storage and retrieval

**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

**Personal Website | Personal Project (HTML, CSS, JavaScript)**

**October 2023 - Present**

- Designed and programmed my own personal website from scratch using HTML CSS and Javascript
- Programmed several features / mini games such as
  - o A night and day button designed with CSS that changes the color scheme of the website with JavaScript
  - o A Pokemon team builder game that uses the pokeapi to let you add 6 pokemon to your team, showing off their sprites and details about them such as type, name and pokedex entry.
  - o A simple Tic-Tac-Toe minigame
- Learned several JavaScript skills involving design, asynchronous functions, APIs, event handlers, etc

## PROFESSIONAL EXPERIENCE

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**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
- Learned how to speak professionally in both english and french to customers