

# Emily Allerdings

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## EDUCATION

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### Mount Royal University

Sept 2019 - June 2024

*B.Sc. Computer Science*

*Calgary, AB*

- Dean's Honour Roll: 2019-2020, Fall 2021, Winter 2023, 2023-2024
- 3.7/4.0 GPA
- Helped run the Game Dev & Design Club.

## WORK EXPERIENCE

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### Mount Royal University

Oct. 2022 – Jan 2023

*Research Assistant*

*Calgary, AB*

- Collaborated with Eric Chalmers and a few other RAs on a machine learning project using Python.
- Created a hierarchical state-graph abstraction algorithm to be used with a reinforcement learning agent.
- Implemented Eric's Hippocampus inspired graph clustering algorithm as well as NetworkX and NumPy.

### Code Ninjas

Jan 2023 – Present

*Javascript / C# Instructor*

*Calgary, AB*

- Taught Javascript, C# and programming fundamentals to kids and teenagers.
- Worked with various programming environments like Unity, Roblox Studio, Microsoft MakeCode Arcade.
- Team-focused environment with lots of context-switching between teaching kids programming and managing front-desk.

### Personal Project

Aug 2015 – July 2018

*Java Game Server Administrator*

*Calgary, AB*

- Co-founded and managed an online gaming server which successfully generated revenue for multiple years.
- Built logic for gameplay and administration using Java and worked with the game's provided API.

## SKILLS & INTERESTS

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- **Skills:** C++ | C# | C | Java | Javascript | Python | Source Control (Git) | Debugging | Unit Testing | REST | Problem Solving | Adaptability | Teamwork
- **Interests:** Game Dev; Board Games; Indie Games; Music; Anime