

Emily Allerdings

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❖ (403) 615-3905 ❖ Calgary, AB ❖ [Github](#) ❖ [LinkedIn](#) ❖ [My Portfolio](#) ❖

SOFT SKILLS

- **Collaborative Teamwork:** Demonstrated by working in team-focused environments, effectively managing both instructional and administrative responsibilities to ensure smooth program operations.
- **Leadership and Initiative:** Proven by co-founding and managing an online gaming server, driving community growth, and successfully generating over \$10,000 in revenue through strategic planning and engagement.
- **Communication:** Refined through teaching programming fundamentals and technical subjects to youth, making complex concepts accessible and engaging for learners of varying ages.
- **Project Management:** Displayed in leading both educational and technical projects, balancing multiple roles and responsibilities to meet goals and deadlines efficiently.

TECHNICAL SKILLS

Languages: C++, Rust, C#, C, Java, Python, SQL, HTML, CSS, Javascript

Frameworks & Misc: React, Django, Source Control (Git), Debugging, Unit Testing, REST, Godot, Unity3D, Unreal Engine

EDUCATION

Mount Royal University

Sept 2019 - June 2024

B.Sc. Computer Science

Calgary, AB

- **3.71/4.0 GPA**, Dean's Honour Roll: 2019-2020, Fall 2021, Winter 2023, 2023-2024

WORK EXPERIENCE

Code Ninjas

Jan 2023 – June 2024

Javascript / C# Instructor

Calgary, AB

- Delivered engaging instruction in JavaScript, C#, and core programming principles to youth, fostering foundational skills and interest in technology.
- Collaborated within a team-oriented setting, balancing instructional duties with administrative responsibilities to ensure seamless program operations

Mount Royal University

Oct. 2022 – Jan 2023

Research Assistant

Calgary, AB

- Contributed to a machine learning research initiative, utilizing Python to analyze data and develop predictive models
- Developed a hierarchical state-graph abstraction algorithm to enhance reinforcement learning agent performance and decision-making efficiency
- Integrated APIs like Gymnasium, NetworkX, NumPy, and Matplotlib to streamline data analysis, visualization, and simulation processes.

Personal Project

Aug 2015 – July 2018

Java Game Server Administrator

Calgary, AB

- Co-founded and led an online gaming server, driving growth to generate over \$10,000 in revenue through strategic management and community engagement
- Engineered gameplay mechanics and administrative logic in Java, leveraging the game's API to enhance functionality and user experience