





Amelie Butler

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Education

Memorial University of Newfoundland and Labrador

Bachelor of Arts in Computer Science 4.0 GPA

St. John's, NL

2021-Present

Work Experience

Canadian Department of Defense

Developer

Remote

May 2023–Present

- Collaborated with a team of over a dozen software developers
- Created a robust database capable of recording thousands of staff enrolments
- Addressed bugs and potential improvements to new and existing services in order to prioritize departmental requirements

Memorial University of Newfoundland and Labrador

Teaching Assistant

St. John's, NL

Sept 2022-April 2023

- Answered questions and concerns from students regarding course material
- Evaluated student assignments outside of lab period

Projects

Can't Stop | *Java, Swing, Git*

February 2023

- Designed an AI capable of playing the board game 'Can't Stop'
- Implemented a file-based save-load system
- Designed and coded a game GUI and turn logic
- Coordinated a team of five students to complete documentation and code
- Source code available on request

Urist's Quest | *Ruby, Git*

February 2023

- Developed a text-based video game in the Ruby programming language
- Designed a recursive algorithm for random level generation
- Built a small game engine to make further game development scalable

Parrot | *Python, TensorFlow, Numpy, Git*

April 2023 - Present

- An ongoing project to develop a Discord bot that trains a neural network from a chat server's message contents
- Implemented a predictive text generator using the popular Python library TensorFlow
- Allowed users to prompt the network to train itself on their messages to output messages mimicking their own

Skills

- **Languages:** Python, HTML, CSS, JavaScript, Ruby, C, C++, Java, SQL, Bash
- **Tools and Libraries:** Git, GitHub, JUnit, Swing, Discord API, TensorFlow, Pandas, Numpy, Seaborn, QGIS
- **Relevant Courses:** Data Structures Algorithms, Discrete Mathematics, Software Development, OS Design

Awards

- 2021 Warren and Catherine Ball Memorial Entrance Scholarship (\$30 000 CAD)
- 2021 Governor General's Award
- 2022 Memorial University HSS Dean's List