Amy Elizabeth Rose

🏠 St. John's, NL

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🎓 Education

Memorial University of Newfoundland St. John's, NL
Bachelor of Science, Computer Science 2023–Present

💼 Experience

Memorial University of Newfoundland St. John's, NL
Computing Support Assistant, The Commons Sep 2024–Present
- Provided technical support for various software (such as Microsoft Office and Adobe,) as well as customer service to students and members of the public.
- Developed and facilitated technology-related workshops for students, including an introductory programming workshop utilizing the Raspberry Pi and MicroPython.
- Worked in the Makerspace using 3D printing hardware and software, and CAD software such as OnShape.

C-CORE St. John's, NL
Data Analyst, Ocean Career Immersion Program Jun 2023–Aug 2023
- Archived and digitized over 8,000 hand-written iceberg observations, using Microsoft Excel and OCR software.
- Utilized languages such as MATLAB and Python (specifically Pandas) to prepare and analyze the archived data, including developing an algorithm to compute average drift speed.
- Created 3D simulations of icebergs using Blender.

Women in Science and Engineering NL St. John's, NL
Website Developer, Student Summer Employment Program Jun 2022–Aug 2022
- Utilized Wordpress to develop and maintain the Student Summer Employment Program website, and coordinate the publishing of weekly articles.
- Implemented additional UI elements using my own experience with HTML and CSS.

⭐ Activities

FIRST Robotics NL 2017–Present
- Previously an alumni, I am currently an active volunteer with FIRST Robotics NL, providing technical assistance and mentorship to teams during the competition.

DO.IT Hackathon Jun 2025
- Participated in a weekend-long hackathon focused on the Raspberry Pi, where I was heavily involved in the design and electronic aspect of our project.
- My team developed a wireless "posture corrector" device using Bluetooth and gyroscopic technology.

Memorial Centre for Entrepreneurship Game Jam Jan 2024
- Participated in a 48-hour game design competition with a team of four, where I acted as a lead programmer, developing a platformer using PyGame.

🔧 Projects

Homelab 2025–Present
- A small at-home Linux server where I self-host several applications and services, including my website, using containerization platforms such as Docker.

Portfolio Website 2025–Present
- A personal website for myself to demonstrate my portfolio, developed using Astro.