

# Russell Corbett

## Computer Engineering Student

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📍 St. John's, Newfoundland

🌐 [www.russellcorbett.ca](http://www.russellcorbett.ca)

## EDUCATION

### Bachelor of Engineering Co-op Program

#### Memorial University of Newfoundland

📅 09/2021 - Present

- Academic Term IV - Expected Graduation: 2026

## EXTRACURRICULARS

### Chief Technical Officer - Software

#### Eastern Edge Robotics

📅 09/2021 - Present

🌐 <https://www.easternedgerobotics.com>

- Programming and developing brushless motor thrusters, servos, lighting rigs, network communications, microcontrollers, etc.
- Creating functional GUI to manage and maintain underwater ROV. Used to control, diagnose errors, and deploy AI and autonomous mission tasks
- Managing a team of 12 to complete deliverables in an efficient and timely manner to meet competition deadlines
- Organizing project milestones to complete required tasks ahead of schedule by optimizing use of teams skills and specialties
- Designing and building an ROV to complete underwater tasks such as object manipulation and recognition as a multidisciplinary team
- Placed 1st in Engineering Presentation at the 2022 and 2023 MATE ROV International Competitions as well as 3rd overall in 2022.

### Director of Communications

#### Memorial University Engineering Society A

📅 05/2023 - Present

🌐 <https://munengineeringsociety.ca>

- Creating and managing the Engineering Society website in Next.js, React, and Tailwind to keep students informed on upcoming events and provide important academic information for their studies and work placements

### Tech Lead

#### MUN Relay for Life

📅 10/2022 - 04/2023

🌐 <https://www.relayforlife.ca/mun>

- Managed audio and communications during the event

### Software and Administration

#### FMUNTENTH

📅 09/2022 - Present

🌐 <https://fmuntenth.com>

- Developing PID and autonomous control systems using LIDAR, electric motors, and servos for student led self-driving car competition
- Creating offsite VMs for software testing environments, increasing production speeds and encouraging team collaboration
- Competed at the International F1Tenth Competition in San Antonio, Texas

## SKILLS

Python

C++

Cloud Computing

Networking

Communications

Team Leadership

Organization

Project Management

Web Development

Smart Home

## EXPERIENCE

### System Analyst

#### Bell Canada Enterprises

📅 01/2023 - 04/2023 📍 Mount Pearl, NL

- Automated data analysis tasks using Python to reduce the required effort time by up to 99.7%
- Implemented new processes to design and deploy automations in the workplace reducing work hours and cost
- Assisted in the company-wide Microsoft 365 and SharePoint Migration
- Documented and analyzed data using Microsoft Word and Excel

### Engineering Co-op Intern

#### Avalon Controls Ltd.

📅 06/2022 - 08/2022 📍 Mount Pearl, NL

- Increased online network data transmission speeds by 10,000% by upgrading infrastructure
- Led Digitization Initiative to upgrade the IT systems of the company
- Developed PLC ladder logic systems for basic application
- Repaired and upgraded HMI systems
- Researched and acquired equipment for electrical panels

### High School Summer Intern

#### Celtx

📅 07/2021 - 08/2021 📍 St. John's, NL

- Programmed digital autonomous robotic systems in collaboration with TechNL
- Supplied valuable education market insights on potential clients for effective follow-up by the company

## AWARDS



**Verafin Computer Engineering Scholarship**



**MUN Alumni Entrance Scholarship**



**Loran Semi-Finalist and Provincial Award**



**City of Mount Pearl Youth in S.T.E.M. Award**

## VOLUNTEERING

### Robotics Mentor

#### O'Donel Senior High School

📅 09/2021 - Present 📍 Mount Pearl, NL