

LOGAN JANES

Senior Computer Engineering Student

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EDUCATION

Fourth Year Bachelor of Engineering co-op - Computer

Memorial University of Newfoundland-St. John's, NL • Class of 2026

EXPERIENCE

Data Analyst & Implementation Manager

Bell Canada

September - December 2023, May - August 2024, Newfoundland

- Implemented SQL coding to update and resolve various issues within the Atlantic and Central company databases. Used python and API calling to display data in daily company reports.
- Managed Data Center installations and telecommunication network creation across multiple provinces from inception to completion.
- Used Jira, MicroStrategy, Boss, SAP, and FIRM applications to create daily reports regarding project progress and plans for installation.
- Updated Drawings using AutoCAD software and helped modernize custom AutoCAD software for Senior Management.

Electrical Field Engineer

Pennecon Industrial Limited

January 2023 - April 2023, Voisey's Bay, Labrador

- Created daily work permits and tracked labor hours for foremen, laborers, and subcontractors.
- Tracked and updated all construction Quality Verification Documents, Issue Logs and managed Requests for Information

Commissioning Technician & Field Engineer

Kiewit

May 2022 - August 2022, Northern Ontario

- Performed daily in depth commissioning process for sluice gates to ensure quality for contractor including testing sluice gate's physical parameters, components and circuitry.

INVOLVEMENT

Tech Team Member

Memorial Relay for Life • September 2024 - Present

- Organized and contributed to fundraiser as Tech Team Member. \$98,400.96 raised.
- Provided AV solutions and solved tech related issues during fundraiser.

Software Developer

Memorial Baja • July 2024 - Present

- Updated frontend code and libraries for dash sensors that will display the digital tachometer and speedometer for an off-road vehicle.
- Developing implementation of Web Sockets for ESP32 transmission.

Software Developer

Eastern Edge Robotics • January 2024 - Present

- Developed OpenCV software to scan data tables of invasive carp species and extract location data. Animated carp spread in the Illinois River based on temporal data visualization.
- Designed GUI to interact with user and ROV. Created webpages for settings, ROV commands, and thruster control and live ADC and Temperature sensors for the ROV.
- Created Backend software for joystick & thruster configuration using ROS2 and JSON in a Dockerized environment.

Engineering Lead / Vice President of Marketing

Memorial Enactus • February 2023 - Present

- Presenter for the 2024 Enactus National Competition and 2025 Enactus Regional Competition.
- Design coordinator for pultrusion device and 3D printing devices.
- Designed 3D printed wristbands from recycled plastics that display patient medical records in the Healthcare industry.

PROJECTS

Job Board Website

InternComp • September 2024 - December 2024

- Developed a job board platform by using API calls to populate website with company information and internship opportunities. Gained experience in frontend, backend and Docker container development.

Predictive Health Analytics Website

- Building a responsive web app using Next.js and Tailwind CSS and flask, integrated with a scikit-learn machine learning model that evaluates user-inputted health data to assess the risk of heart disease and other health risks.

Embedded Pico-Based Sensor Display

- Built a C-based environmental monitor using a Raspberry Pi Pico and I2C OLED display to show temperature and humidity data.

SKILLS

- Backend and Database (PostgreSQL, Node.js, Prisma, Flask)
- Frontend & Website Design (HTML & CSS, Javascript, Tailwind)
- Git, GitHub, and Docker
- Embedded Systems (Arduino, Raspberry pi, ROS2, ESP32 & Web Sockets)
- Python, C++, C#, Java, Next.js
- React.js, Typescript, Machine Learning & OpenCV