

# Samuel Adeoye

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## WORK EXPERIENCE

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### Enaimco Canada

St. John's NL,

*Enaimco is a company dedicated to providing SaaS solutions to the global energy sector.*

Software Developer Intern  
2023

May 2023 – Dec

- Enhance server safety by implementing robust validation measures for request bodies to the company's API, resulting in a 100% increase in the reliability and security of client-server communication.
- Develop and Implement functionality to ensure fail-safe behavior in controller functions for POST, PUT, and PATCH methods, guarding potential vulnerabilities caused by the absence of validation during the integration of new developer code.
- Successfully integrated a search API into the Enaimco web application, resulting in a significant improvement of over 90% in information retrieval capabilities, enabling users to efficiently access and acquire the required data.
- Writing unit tests and integration tests to ensure robust and resilient code.

### Enaimco Canada

St. John's NL,

*Enaimco is a company dedicated to providing SaaS solutions to the global energy sector.*

Software Developer

Jan 2023 – Present

- Implemented video processing for engineering ROV videos. From uploading to encoding and generating transcripts
- Currently working on research on how to make agentic workflows for AI features on the Enaimco Application

### Paytrybe Canada

St. John's NL,

*Remittance and bill payment solution for African Immigrants in Canada*

Software Engineer

Jan 2024 – Present

- Implement bill payment solution for universities in Canada
- Implement bill payment for colleges in Canada

### Data and Image Analysis Group (DIAG) Canada

St. John's NL,

*A research group in the department of computer science at Memorial University of Newfoundland, working on medical image analysis (MRI), data science and machine learning.*

Software Developer  
2023

May 2022 – April

- Expertly containerizing web applications using Docker for streamlined deployment and scalability.
- Deployment and configuration of static web pages on DIAG servers using the Nginx web server for optimized performance and reliability.

## LEADERSHIP ACTIVITIES

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Student Volunteer Bureau Social Media Coordinator/ Volunteer Assistant  
2022

September 2022 – December

- Manage and update social media accounts to effectively communicate with students and share information about volunteer opportunities.
- Curate social media content for students at Memorial University of Newfoundland
- Assist students in securing meaningful volunteer opportunities that align with their interests and goals.

## EDUCATION

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### Memorial University of Newfoundland Canada

St. John's NL,

Bachelor of Science (Honors) in Computer Science  
2024

September 2020 – December

Cumulative GPA: 3.88/4.0, Major GPA: 3.94/4.0, Average: 87%

Faculty of Science Dean's List 2022 and 2023 and 2024, MUNCSS member

**Relevant Coursework:** Data structures and algorithms, Algorithm design and analysis, Computer Networking, Machine Learning, Software Engineering, Operating Systems, Web Programming

## **TECHINICAL SKILLS**

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|--------------|------------------|------------|
| ● TypeScript | ● Azure Services | ● Python   |
| ● Rust       | ● Rocket         | ● Mongo DB |
| ● Docker     | ● C              | ● Linux    |
| ● Git        | ● React JS       | ● Java     |

## **PROJECTS**

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### [Paytrybe](#)

- Developed a remittance and bill payment solution for African immigrants in Canada using
- Used Typescript with Nest Js for the backend
- Redis for caching and Postgres for the database.

### YouTube to Spotify CLI

- Developed a project utilizing Rust's web framework, Rocket, to seamlessly create Spotify playlists mirroring the content of my YouTube playlists. Throughout the development process, I extensively interacted with YouTube's playlistItems API, as well as Spotify's authorize, search, playlist, and tracks APIs.

### [Ragask](#) (AI copilot for researchers)

- Currently building an AI copilot for researchers

### RegPo (COURSE CHECKER)

- Created a rust polling mechanism to check when a course I wanted to register for but was filled up was free and send me SMS notifications, written in Rust, Sled local keystore database (Similar to Python shelve)

### Client-Server Communication

- Java project simulating client-server communication over a network using the TCP/IP model and sockets, allowing clients to make bank transactions on the server.

### Code Editor

- Part of a team that developed a code editor web application using Flask and Python. I focused on the backend handling server-side functionality.