

Tega Okene

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EDUCATION

University of Manitoba

Bachelor of Science in Computer Science and Mathematics

Winnipeg, MB

April 2025

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Databases: Concepts and Usage, Distributed Computing, Artificial Intelligence, Embedded/Robotic Programming

EXPERIENCE

Automation Developer Intern

Manitoba Liquor and Lotteries

May 2024 – Aug 2024

Winnipeg, MB

- Developed a software bot for sending mass emails, migrating a legacy system and saving the organization \$150,000 in development costs.
- Engineered an automated solution to handle repetitive and tedious reporting tasks, freeing up team members to focus on strategic and impactful work.

Software Developer Intern

Farmers Edge

May 2023 – Aug 2023

Remote

- Maintained a B2C and B2B SaaS application, empowering farmers with tools to enhance productivity and sustainability using Python, Docker, Django, PostgreSQL, and Git.
- Collaborated with a diverse team to migrate client and staff data, simplifying business operations and logic.
- Optimized API call performance by 98% using Python's asyncio, significantly reducing response times and enhancing user experience.

Junior Epidemiologist/Data Analyst

Government of Manitoba

May 2022 – Apr 2023

Winnipeg, MB

- Analyzed and visualized the impact of COVID-19 and Influenza within Manitoba, providing insights to support 1.3 million Manitobans.
- Built an ETL pipeline to collect, preprocess, and analyze data, yielding daily labour savings of more than 1 hour.
- Utilized R and SQL for in-depth analysis of congenital anomalies, allowing efficient monitoring and response to public health concerns.

PROJECTS

University of Manitoba Unmanned Aerial Systems

[GitHub](#)

- Flight Termination Lead for a university club focused on building autonomous and semi-autonomous drones for the Annual Aerial Evolution Association of Canada competition. Leveraging the **SDLC** along with **Python**, **ROS2**, **Gazebo**, **OpenCV**, and other tools to design, implement, and test critical functionalities.

WE Design

[Website](#)

- Member of a university club building a sustainable wind turbine for the ISWTC in the Netherlands. I work with the control systems team and write code (primarily **C++**) for microcontrollers, sensors, and any computer or electronics-related tasks.

Blog API

[GitHub](#)

- Developed a blog REST API hosted on an AWS EC2 instance using tools such as **Django**, **Docker**, and other **AWS** services (RDS, Route 53, etc.), along with comprehensive API documentation.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, SQL, R, JavaScript, HTML/CSS

Technologies: Django, Docker, AWS, React, PyTorch, Linux, Git, REST APIs, Jenkins

RESEARCH

Graph Machine Learning, UM Computer Science

Dec 2022 - May 2023

Contributed to Graph Neural Network research under the supervision of Dr. Cuneyt Akcora.