

Mofiyinfoluwa Angel Saka

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HIGHLIGHTS OF QUALIFICATION

- Currently enrolled in level 2 of a 5-year Software Engineering CO-OP program.
- A driven and detail-oriented individual with excellent analytical and problem-solving skills gained through previous work experience.

EDUCATION

McMaster University

Hamilton, Ontario

B.Eng.Mgt (Bachelor of Engineering & Management)

2023 - 2028

- **Stream:** Software Engineering & Management CO-OP
- **GPA:** 3.9/4.00, *Dean's Honor List*
- Recipient of the Yves & Cynthia Bled Black Women in Engineering scholarship (\$20,000)
- Recipient of the Faculty of Engineering Award of Excellence (\$5000)

EXPERIENCE

McSCert – McMaster Department of Computing & Software

Hamilton, Ontario

Software Engineering Research Assistant

April 2024 – Present

- Utilized MATLAB and Simulink to optimize a clustering and tracking model for an autonomous ego vehicle
- Currently developing a track level fusion algorithm for two 2D LiDAR sensors and a zed camera to improve the environment perception of the vehicle.
- Implemented libraries like NumPy, pandas and Matplotlib to develop scripts and analyze recorded data.
- Utilized various tools like ROS, Git, Linux, Python and C++ to visualize and improve the tracking system.

McMaster Nuclear Reactor

Hamilton, Ontario

Tour Guide

Mar 2024 – Present

- Led over 50 visitors in various tour groups and explained all aspects of the nuclear reactor, its history, and use.
- Exhibited strong interpersonal skills when interacting with tour guests from diverse backgrounds.
- Demonstrated ability to provide informative and entertaining tour experiences for groups of all sizes.

STEM Camp

Ancaster, Ontario

Camp Counselor

Jun 2021 – Aug 2023

- Led over 200 campers through STEM activities that included science experiments and engineering projects to spark their interest in STEM at an early age.
- Utilized Microsoft micro bits to teach programming fundamentals to campers.
- Trained volunteers on expectations and worked closely with parents to achieve optimal outcomes.

PROJECTS

BagWatch

Hamilton, Ontario

Team Member & Coordinator

Mar 2024 – Apr 2024

- Developed an alarm system for a client with spina bifida to alert her of any threats to her belongings and increase her safety
- Utilized an Arduino board, ultrasonic sensor, 3D printed parts with Autodesk Inventor to create the device.

ACTIVITIES AND LEADERSHIP

NSBE McMaster

Hamilton, Ontario

Membership Chair

May 2024 - Present

- Working towards planning social events for more than 500 black undergraduate engineering students at McMaster

Garth Trails Clubhouse

Hamilton, Ontario

Tech Volunteer

Nov 2022 – May 2023

- Worked with senior citizens and educated them on how to use technology to increase their knowledge and skillset.
- Assisted seniors with tech-related questions to increase understanding of the functionality of various applications.

SKILLS

Programming: C++, Python, MATLAB, Simulink, C, HTML, CSS, JavaScript, Data Structures & Algorithms

Tools: Linux, ROS, ROS2, PyGame, Jupyter Notebooks, Git, Gitlab, GitHub, Autodesk Inventor

Special Awards: Programming Subject Award, Marlene Thomas Community Advocacy Award, G3 Grow Beyond Scholarship