

MOFIYINFOLUWA ANGEL SAKA

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EDUCATION

McMaster University

Hamilton, ON

Software Engineering & Management CO-OP (B.Eng.Mgmt)

2023 – 2028

- **Relevant Coursework:** Object-Oriented Programming, Data Structures & Algorithms, Computer Architecture
- **GPA:** 3.8/4.0, Dean's Honor List
- **Awards:** Yves & Cynthia Bled Black Women in Eng Scholarship, Faculty of Engineering Award of Excellence

EXPERIENCE

Uber

Toronto, Ontario

Software Engineer Intern

May 2025 – Present

- Incoming intern on Global Intelligence Team

McSCert – McMaster Department of Computing & Software

Hamilton, Ontario

Software Engineering Research Assistant

Apr 2024 – Aug 2024

- Utilized **MATLAB** and **Simulink** to optimize a clustering and tracking model for an autonomous ego vehicle
- Developed 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.

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.

PROJECTS

ScotiaBuzz | S:\HA<KS 2024 – Scotiabank X Tangerine Hackathon

Aug 2024

- Developed a web platform to help clients detect fraud messages and actively protect themselves from digital scams.
- Utilized **Tailwind**, **React.js** and **TypeScript** to design and implement the website, ensuring a user-friendly interface.

ACTIVITIES & LEADERSHIP

McMaster Mars Rover Team

Hamilton, Ontario

Software Developer

Oct 2024 – Present

- Developing a **ROS2** communication system for a robotic arm, leveraging **MoveIt** and **C++** to improve motion efficiency
- Developed and tested joystick-based teleoperation software, contributing to real-time control and task execution.

NSBE McMaster

Hamilton, Ontario

Membership Chair & Senator

May 2024 – Present

- Organized and executed **15+** social events for the black student community in the Faculty of Engineering to foster community and engagement by coordinating logistics communications and outreach efforts.
- Advocated for **100+** Black engineering students at McMaster University on a national scale by representing the chapter in the NSBE Region 1 Senate, contributing to policy decisions and initiatives.

SKILLS

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

Tools: Linux, ROS, ROS2, Tailwind, React.js, Express.js, PyGame, Jupyter Notebooks, Git, GitHub, Bash, Maven, JUnit

Libraries: pandas, NumPy, Matplotlib