

# MofiyinfoLuwa Angel Saka

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## HIGHLIGHTS OF QUALIFICATION

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- 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

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### McMaster University

Hamilton, Ontario

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

2023 - 2028

- **Stream:** Software Engineering & Management CO-OP
- **GPA:** 3.9/4.0, *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

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### 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.
- Trained volunteers on expectations and worked closely with parents to achieve optimal outcomes.

## PROJECTS

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### ScotiaBuzz

Toronto, Ontario

S:\HA<KS 2024

Aug 2024 – Aug 2024

- Developed a website to help clients detect fraud messages and scams and actively protect themselves from digital fraud for the Scotiabank x Tangerine 2024 hackathon.
- Used Tailwind, react.js and typescript to create the website.

## ACTIVITIES AND LEADERSHIP

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### DeltaHacks

Hamilton, Ontario

Logistics Executive

Jul 2024 - Present

- Planning McMaster University's largest annual hackathon for change.

### NSBE McMaster

Hamilton, Ontario

Membership Chair

May 2024 - Present

- Planning social events for the black student community in McMaster University's Faculty of Engineering.

### 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

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**Programming:** C++, Python, Tailwind, React.js, Node.js, Express.js, Java, 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