

# Luca Mawyin

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## Education

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**McMaster University** | *Computer Science*

Sep 2024 – Present

- Bachelor of Applied Science
- Relevant Courses: Data Structures & Algorithms, Computer Architecture, Web Design, Software Development
- Current Courses: Databases, Concurrent Systems, Automata & Computability, Algorithms & Software Design

**Humber College** | *Computer Engineering Technology*

Sep 2023 – Dec 2023

- Relevant Courses: Electrical & Digital Circuits, Computer Hardware & Operating Systems

## Experience

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**Sales & Management** | *Carla's Cookie Box*

Feb 2021 – Present

- Overseeing the expansion of reach of company audience through media advertisement, and the production of goods.
- Displayed understanding of web design and development principles through troubleshooting of backend company website operations.
- Exhibit outstanding customer service by identifying needs of customers, creating a welcome environment, and ensuring needs are met.

## Projects

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**Derivative Calculator** | *Haskell*

Dec 2024

- Developed a program that allows users to derive and map values onto various mathematical functions.
- Implemented principles of functional programming to simplify complex expressions
- Improved reliability by creating built in program checking to validate system efficacy.

**Discussion Forum** | *JavaScript, PHP, SQL*

Mar 2025

- Collaborated with a team of 3 to design a dynamic web app that allows various users to withing a class to communicate with each other.
- Developed using AJAX-based data retrieval with SQL and a responsive UI, improving usability across devices.
- Integrated user authentication and role-based permissions to ensure secure interactions.

**Resume Generator** | *JavaScript, Python*

Jan 2026

- Engineered a web-based resume generator that allows users to input personal and professional information and preview their resume in real time.
- Enhance quality of user resumes by providing feedback using given information.
- Developed a flexible architecture enabling dynamic updates to resume content and layout.

## Technical Skills

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**Programming Languages:** Python, Java, C/C++, HTML/CSS, JavaScript, Haskell

**Frameworks & Tools:** Git, Linux, NodeJS, React, REST API, AJAX, Flask, SQL, Arduino, MatLab

**Languages:** English, French