

Luca Mawycin

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Education

- 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

- 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

- 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

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