

William Mabilia

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EDUCATION

Wilfrid Laurier University

Waterloo, Ontario

Bachelor of Science in Computer Science, Option in Management

September 2019 – May 2023

- Coursework on Object-Oriented Programming, Database Design, Data Structures and Algorithms
- Member of The Laurier Society for Computing, Physics and Mathematics

Great Lakes College of Toronto

Toronto, Ontario

Ontario Secondary School Diploma

June 2018 – December 2018

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, HTML/CSS, SQL, VBA

Frameworks: React, Node.js, Firebase, Bootstrap, Distributed Computing Protocol

Developer Tools: Git, Google Cloud Platform, Figma, VS Code, Visual Studio, MATLAB, Xcode, Eclipse

PROJECTS

Slyx | *Machine Learning, Python, React, NodeJs, Git*

June 2021 – July 2021

- Won 2nd place for "Best Use/Application of the DCP API" at Ryerson University Hacks 2021
- Collaborated with 2 partners to develop a full-stack web application using python, machine learning and distributed computing protocol API for the back end and react for the front end
- Implemented a classification algorithm to detect micro plastics in water samples
- Applied user experience methodologies to design visual layout and user interface

KW Housing | *React, Firebase, Git*

July 2021 – August 2021

- Developed a full-stack web application for students in Kitchener-Waterloo region to rent apartments and houses using React, Firebase, and Google Maps API
- Used Firebase to implement user authentication and store user data

Txt Reduce | *C*

October 2020 – November 2020

- Developed an application that uses Huffman coding algorithm to achieve lossless compression of text files
- Compressed a text file from 16 bits to 2 bits, which is 8 times less than the original

StayFit | *VBA, Microsoft Excel*

November 2020 – December 2020

- Created a program using Excel VBA and SQL to help users track their fitness journey and store progress in an Access database
- Designed a GUI which allows users' update the Access database with their information
- Wrote a script to export users' progress from Microsoft Excel and Microsoft Access to Microsoft Word

PROFESSIONAL EXPERIENCE

Customer Service Representative

May 2020 – Present

Majorel

Waterloo, ON

- Moderate 11,000 tasks per week of social media content for a high profile client
- Worked with team supervisors to train new employees and assign temporary roles

VOLUNTEER EXPERIENCE

Front End Developer

November 2020 – April 2021

The Laurier Society for Computing, Physics and Mathematics

Waterloo, ON

- Made wireframes and design prototypes for club website using Figma
- Worked on a team to develop a web app for club internal website using React, Javascript, MongoDB and NodeJs

Orientation Week Volunteer

Aug 2020 – September 2020

Wilfrid Laurier University

Waterloo, ON

- Collaborated with a partner to facilitate and plan daily events to welcome a group of 15 first-year students
- Provided information and support to first-year students using strong communication and leadership skills
- Supported and assisted a team of other orientation leaders to raise over CAD 50,000 for cystic fibrosis