

# Olayiwola Bakare

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🏠 [olayiwola.ca](http://olayiwola.ca)

🌐 [Olayiwola1](https://github.com/Olayiwola1)

## Work Experience

PagerDuty

May 2020 – August 2020

Software Engineer Intern

Toronto, ON

- Currently working as a Software Engineer Intern on the core product pipeline team.
- Will be working extensively with Elixir, Scala, Datadog, and Docker.

McMaster University

September 2019 – April 2020

Teaching Assistant

Hamilton, ON

- Assisted first-year engineering students with acquiring a better understanding of core coding principles and algorithms during Python programming labs. **Engineering Computation (ENG 1D04)**
- Worked closely with the professor and other teaching assistants to assist over **300+** students throughout the process of completing their projects. Developed communication and time management skills. **Engineering Profession & Practice (ENG 1P03)**

Sun Life Financial

May 2019 – August 2019

On-Site Support Co-op

Toronto, ON

- Applied critical thinking skills in **troubleshooting** desktop (**software** and hardware) problems and provided consultations and technical solutions to clients on computer issues.
- Configured Test Lab PCs and scheduled deployments of computer hardware to internal clients using ServiceNow. Successfully resolved over **100+** tickets.

Mathstronauts

October 2018 – April 2020

Program Instructor

Hamilton, ON

- Instructed an afterschool STEM (Science, Technology, Engineering, and Mathematics) program.
- Introduced **40+** students to the art of programming, and circuitry using **Arduino** and **C** and taught them about 3D design using **FreeCAD**.
- Oversaw students build a remote-controlled robotic arm by applying the knowledge they have gained.

## Projects

Land\_Fix | [github.com/Olayiwola1/NSBE\\_Hacks](https://github.com/Olayiwola1/NSBE_Hacks)

NSBEHacks UofT

- Developed a blockchain-based application to deal with the prominent corruption in property ownership in Africa. The application provides a digital and immutable record of all transactions.
- Provided a visual representation of users' allocated territory using **HTML**, **CSS**, **JavaScript**, and **Google Maps API**.

CPU L8R | [github.com/Olayiwola1/CPUL8R](https://github.com/Olayiwola1/CPUL8R)

McMaster University

- Collaborated in a team to create a pacemaker prototype and implement its modes and functionalities using **MATLAB (Simulink)** and the **FRDM-K64F** microcontroller.
- Created the graphical user interface using **Tkinter** and **Python**. Implemented serial communication using **pySerial** to transfer information between our hardware and software.

## Skills

Languages & Frameworks: Python, Scala, Elixir, Java, JavaScript, C, ReactJS, NodeJS, Bootstrap, SQL, MATLAB

Software & Version Control: Linux, Git

Computer-Aided Design: Autodesk Inventor, FreeCAD

## Education

McMaster University

Hamilton, ON

Computer Engineering & Management (B.Eng.Mgt.) | cGPA – 3.63/ 4.00

2017 – 2022 (Expected)

Awards: Dean's Honour List – (2018, 2019, 2020), The McMaster Honour Award, Level 3 – 2017, Ontario Scholar – 2017

Activities: Treasurer – National Society of Black Engineers (McMaster Chapter)

Relevant Courses: Data Structures & Algorithms, Principles of Programming, Software Development