

# Olayiwola Bakare

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🏠 [olayiwola.ca](http://olayiwola.ca)

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

## Work Experience

### Software Developer

EPOCH

Toronto, ON

December 2019 – Present

- Currently developing on the backend engineering team, building functional features that are used for Epoch's server-side web application.
- The features are built using **Python (Flask)** and are integrated with Slack's API. The features are used for transferring relevant information about events across users of the platform.
- Collaborating with other developers to ensure that both user experience and engagement is enhanced.

### Teaching Assistant

McMaster University

Hamilton, ON

September 2019 – Present

- Assist 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)**

### On-Site Support Technician Co-op

Sun Life Financial

Toronto, ON

May 2019 – August 2019

- Applied critical thinking skills in **troubleshooting** LAN and desktop (**software** and hardware) problems and provided consultation 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.

### Program Instructor

Mathstronauts

Hamilton, ON

October 2018 – Present

- Instruct an after-school 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**.

## Projects

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.

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**.

## Skills

**Languages & Frameworks:** Python, C, Java, JavaScript, HTML, CSS, ReactJS, NodeJS, Bootstrap, SQL, MATLAB

**Software:** 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), 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