Olayiwola Bakare

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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

Land_Fix | 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   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, 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