Olayiwola Bakare

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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   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, 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), **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