

BRIAN KIBAZOHI

Software engineering and Management student with great enthusiasm for emerging technology and innovation.

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EXPERIENCE

Data Engineering Analyst Intern

Deloitte, Omnia AI

May 2019 – Aug 2019

Ottawa, Canada

- Designed and developed **data pipelines** using **Pandas** to extract features for machine learning model.
- Developed an internal **data mining tool** using **Web APIs, SQL, Flask and Javascript** for succesful data analysis.
- Responsible for **communicating insightful data findings** in a clear language by leveraging data visualization tools and libraries such as **Seaborn and Matplotlib**

Program Ambassador

Mathstronauts

Aug 2018 – Present 2018

Hamilton, Canada

- Responsible for leading students in a project of building a robotic arm using **Arduino and FreeCAD**.
- Mentored and presented to over **1500 students** to date on the importance of programming and robotics.

PROJECTS

Autonomous Robot Racer - I.A.R.R.C

University of Waterloo - Robotics Team

Apr 2018 – Dec 2018

Waterloo, Canada

- Took initiative to improve Robot's path planner which increased its path prediction accuracy by **55%** in ROS simulation using **C++**.
- Designed, implemented and tested code (**C++**) for **BNO055 sensor** responsible for IMU detection and debugging improving the robot's performance by 80%.
- Assisted in low-level programming for firmware of Encoder counter, testing hardware and fixing mechanical/electrical bugs.
- Cleaned and improved entire Robot's Arduino code base, corrected methodological bugs to improve efficiency and robustness.

Land_FIX

N.S.B.E HACKS

Jan 2019 – Present

Toronto, Canada

- Leveraged the power of IBM's blockchain API to combat corruption in Land Ownership management systems in Africa.
- Used **HTML, CSS, Javascript and Google Maps API** to construct a visual representation of allocated territory.
- Used **Google Firebase** as a Database to efficiently store customer data.

EDUCATION

Software Engineering and Management (Co-op)

McMaster University

Hamilton, Canada

Sept 2017 – Apr 2022

- President's Award 02/2018**
- Data Structures and Algorithms**
- Introduction to Software Development and Design
- Principles of Programming

Coursera

- Introduction to Machine Learning
- Fullstack development

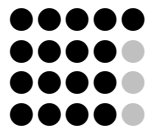
TOOLKIT

Java, Python, C, C++, Linux

Pandas, Tableau, SQL, Numpy

Tensorflow, ROS, Matlab

Javascript, NodeJs, Angular, Flask



ACTIVITIES

Membership Chair - McMaster Chapter
National Society of Black Engineers

Hamilton, Canada

Aug 2018 – Present

- Took initiative to assist in developing the club website, using the Wordpress platform.
- Conducted and organized cultural and social events which anchored relationships within the association.
- Lead the recruitment team and developed strategies in recruiting members which raised club value.

Head Instructor

McMaster Artificial Intelligence Society

Oct 2018 – Present

- Responsible for instructing students on the core concepts of Machine learning using real life examples and demonstrations.
- Responsible for leading and guiding students in technical projects using **Python**, and **TensorFlow libraries**.