

# Brian Kibazohi

ELIGIBLE FOR J-1 VISA

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## Experience

### SHOPIFY

Toronto, ON

#### BACKEND DEVELOPER INTERN

May 2020 - Aug 2020

- Incoming Software Engineering Intern at Shopify on the Multi-channel apps team. Will be working extensively with Ruby on Rails and integrating Shopify's app with third party platforms such as Google and Facebook.

### TESLA

Palo Alto, California

#### SOFTWARE ENGINEERING INTERN

Jan 2020 - Apr 2020

- Developed a messaged based distributed streaming application using Scala and Akka toolkit. The application successfully consumed messages from a Kafka cluster to update an elastic search instance in real-time, replacing a daily cron job which was ran at specific intervals.
- Contributed towards new front end and back end features for Telescope, a data visualization builder used by both energy tools and the vehicle tools engineering teams. Certain features improved load time efficiency by 200%. Used Python and React.

### GOOGLE

San Francisco, California

#### SOFTWARE PRODUCT SPRINT FELLOW

Jan 2020 - Apr 2020

- Developed a full stack web application in a team of four, under the supervision of a Google engineer using Java for the back end and Javascript, HTML and CSS for the front end. Tools such as Google App Engine, Google Datastore and several Google APIs were beneficial in developing the application. My primary contribution was focused on building both front end and backend features of the application.

### EPOCH

Toronto, ON

#### SOFTWARE DEVELOPER - CONTRACT

Oct 2019 - Dec 2019

- Worked directly with the CTO to develop new features, fix bugs, and refactor existing code on both ends of EPOCH's React/Flask stack. My primary contribution was spearheading the development of a major integration project with Slack Technologies - one of EPOCH's larger clients.
- Wrote a extensible foundation for the bot's Flask (Python) backend. Examples include functions that compose content to be sent through the Slack API, cron jobs that send content at specific intervals, and listener functions that respond to user activity.

### DELOITTE, Omnia AI

Ottawa, ON

#### DATA ENGINEERING ANALYST INTERN

May 2019 - Aug 2019

- Built data pipelines to transform data of up to 6 million records. Feature extraction was performed on the organized data for training. This resulted to a successful machine learning model with 80% accurate trend predictions. Used Python-Tensorflow-Pandas.
- Improved team efficiency by 50% through design and implementation of an internal sentiment analysis tool. Implemented proper data structures to improve program's run-time and space. The program met 100% of the software requirements. Used Python-Flask-Pandas; Javascript.

## Projects

### Autonomous Robot Racer

Waterloo, ON

#### UNIVERSITY OF WATERLOO - ROBOTICS TEAM

Apr. 2018 - Dec 2018

- Designed, implemented and tested code (C++) for BNO055 sensor responsible for IMU detection (acceleration, orientation etc). The data was useful in debugging and improved the robot's performance by 80%.
- Took initiative to improve Robot's path prediction algorithm which increased its path prediction accuracy by 55% in ROS simulation using C++.
- Assisted in low-level programming for firmware of Encoder counter, testing hardware and fixing mechanical/electrical bugs.

## SKILLS

**Key**   **Strong** | Intermediate

**Languages**   Scala, Java, Python, C++, Linux, Go SQL, BASH, React-Redux, JavaScript, C, Dart

**Tools**   Docker, Kubernetes, Akka, Kafka, Jenkins, DB2, SQLite, Firebase Flask, Flutter, Pandas, Git, Angular, Tensorflow

## Education

### Bachelor of Engineering - Software Engineering and Management

Hamilton, ON

#### McMASTER UNIVERSITY

Apr 2022

- **President's Award 02/2018, Global Experience Award**
- Course Work: Data Structures and Algorithms, Intro to Software Development and Design, Principles of Programming (C), Databases, Concurrent Systems
- External Relations Chair - National Society of Black Engineers, Head Instructor - McMaster Artificial Intelligence Society