<u>Antoine Khouri</u>

Montreal, QC

514-699-6015 antoine.khouri@mail.mcgill.ca

Education

Bachelor of Software Engineering,   2020
McGill University, Montreal, QC

Technical Skills

IDEs: Visual Studio, Eclipse, Intellij, Android Studio, Xcode, Pycharm, Sublime text, Atom.
Various Technologies: Kibana, ElasticSearch, Jenkins, Jira, React, Maven, Linux environment, Git, AWS
Languages: Bash, C, Python, Java, Javascript, HTML, CSS, SQL.

Work Experience

Publicis Sapient   **June 2019-August 2019**
Junior Associate Software Development Intern   *Toronto, ON*
- Created KPIs for client using **ElasticSearch** for data manipulation, and **Kibana** & **CSS** for data display
- Automated parsing, manipulation & upload of data using **Java** and **Python** with **Maven** and **Jenkins**
- Optimized existing data manipulation processes using **SQL** and **Timelion** in tandem with Kibana

Sensequake   **January 2019-May 2019**
Software Engineer Intern   *Montreal, QC*
- Doubled speed of sensor-gateway file upload using **C** (sensor) and **Python** (gateway) with STM32 library
- Improved reliability by implementing a four-second watchdog reset functionality for sensors & gateway
- Increased performance potential by increasing maximum sensor sampling rate from 244 Hz to 488 Hz

Engineering Projects

Machine Learning - https://github.com/antoinekhouri/551
- In a team of 3, implemented a naïve Bayes machine learning model using native python
- Implemented to support Gaussian, Bernoulli and multinomial likelihoods to handle all types of data
- Prediction accuracy: adult salaries (83%), breast cancer (83%), hepatitis (87%), ionosphere color (80%)

Publicis Sapient Industry Challenge
- In a team of 5, created an app that matches marketers with social media influencers based on their brand
- Developed front-end using **React** and back-end using **Python,** designed with **Figma**
- Intended to make use of a machine learning algorithm to properly match marketers with influencers

Capture the Flag
- In a team of 6, designed robot hardware & embedded system software using **Lejos EV3** & **Java**
- Iterative hardware & software design method, changes based on test data & updated final requirements
- Finished 5th in the final capture the flag competition between different teams' robots

Canadian Entertainment Ticket Center - https://github.com/antoinekhouri/421_p3
- In a team of 4, designed the E/R & relational models kf for an entertainment ticket center system
- Created, edited 14 tables in PGSQL database, then filled with hundreds of generated records
- Implemented Java application performing 5 commands relating to E/R model using the PGSQL database