**Antoine Khouri**

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Education

**Bachelor of Software Engineering,** 2020

*McGill University, Montreal, QC*

Technical Skills

**IDEs:** Visual Studio, Eclipse, Intellij, Android Studio, Xcode, Pycharm

**Various Technologies:** Kibana, ElasticSearch, Jenkins, Jira, SonarQube, React & Maven

Work Experience

**Sensequake**  **January 2019-May 2019**

*Sensequake, Montreal, Canada*

* Doubled the speed of sensor-gateway file upload using **C** (sensor) and **Python** (gateway)
* Improved reliability by implementing a watchdog functionality for sensors & gateway
* Increased performance potential by increasing max sampling rate from 244 Hz to 488 Hz

**Publicis Sapient June 2019-August 2019**

*Publicis Sapient, Toronto, Canada*

* Created KPIs for client using **ElasticSearch** for dataand **Kibana** & **CSS** fordata display
* Automated parsing & upload of data using **Java** and **Python** with **Maven** and **Jenkins**
* Optimized existing data manipulation processes using **SQL** and **Timelion** on Kibana

Engineering Projects

**Publicis Sapient Industry Challenge**

*Publicis Sapient, Toronto, Canada*

* In a team of 5, created an app that matches marketers with social media influencers
* Developed front-end using **React** and back-end using **Python,** designed with **Figma**
* Used twitter API to match marketers with influencers relevant to their product

**Capture the Flag**

*McGill University, Montreal, Canada*

* In a team of 6, designed robot hardware & software using **Lejos EV3** & **Java**
* Iterated hardware & software design based on test data & updated final requirements
* Finished 5th in the final capture the flag competition between different teams’ robots

**Machine Learning**

*McGill University, Montreal, Canada*

* In a team of 3, implemented a naïve Bayes machine learning model
* Implemented to support Gaussian, Bernoulli and multinomial likelihoods
* Tested on four datasets: adult salaries, breast cancer, hepatitis and ionosphere color
* Respectively achieved prediction accuracy rates of: 83%, 83%, 87% and 80%