Antoine Khouri

Montreal, QC
514-699-6015 antoine.khouri@mail.mcgill.ca
antoinekhouri.ca

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 data and **Kibana** & **CSS** for data 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%