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EDUCATION

ÉCOLE POLYTECHNIQUE MONTRÉAL

BENG SOFTWARE ENGINEERING
[Expected 2021 | Montréal, Canada](#)
Concentration in Artificial Intelligence
and data science

COLLÈGE DE MAISONNEUVE

COMPUTER SCIENCE AND
MATHEMATICS
QUEBEC DIPLOMA OF COLLEGE
STUDIES
[Grad. May 2016 | Montréal,
Canada](#)

SKILLS

PROGRAMMING

Languages:

Python (3 years) • JavaScript (3 years)
• C++ (2 years) • Java (2 years) • PHP
(1 year) • C (1 year) • C# (1 year) •
MATLAB (1/2 year) • julia (1/2 year)

Frameworks:

Angular 2+ • React • expressJs •
Flask • Django • Symphony •
GatsbyJs

TECHNOLOGIES

Linux • pyTorch • Docker • GraphQL
PostgresQL • MongoDB • Neo4j •
Redis

RELEVANT COURSES

Multivariable Calculus
Linear Algebra
Probability & Statistics
Discrete Mathematics
Operating Systems
Testing and validation
Data structures and algorithms
Compilers
Computer Networking
Machine learning
Deep Learning

EXPERIENCE

TMX GROUP | SOFTWARE ENGINEER INTERN

[May 2019 – Present | Montreal, Canada](#)

- Developing a product for **similarity search** on limit order books time windows using **deep learning**
- Aided in the développement of **drop copy** a vendor feed for relaying internal messages

MYELIN | PART TIME MOBILE DEVELOPER

[May 2018 – April 2019 | Montreal, Canada](#)

- Developing a mobile platform for mental health specialists with the **ionic** framework
- Query user data from a **neo4j** graph database through **graphql** resolvers

PROJECTS

MOODLE HELPER | CHROME EXTENTION

- Better interface for downloading ressources from moodle Polytechnique through a **chrome extention** popup
- Allows mass download and filetype filtering

ARDUINO DRUM KIT | HARDWARE PROJECT

- Used arduino to create a drum kit that can send **MIDI** signals to any **DAWs**
- Drums are created using a **piézo electric sensors** to detect the stick hitting the pad

ACTI-CITY | SPORTS ACTIVITIES FINDER

[Jan 2019 | Hackatown 2019](#)

- Application ecosystem with 3 clients. A **customer** to search for sports activities, A **manager** to create activities and a **city dashboard** to reallocate ressources according to statistics.
- The mobile clients are built with **ionic 3** and communicates with an **express** server hosted on heroku.

CLASSITRASH | GARBAGE CLASSIFIER

[Feb 2019 | ConUHacks2019](#)

- Used **tensorflow.js** to retrain mobilenet (a preexisting image classifier) into a garbage classifier and export it into an **expressJs** api.
- Built a **react native** app that utilizes the camera roll and the express api to classify garbage types.

FACECARD | POS SECURITY SYSTEM

[Jan 2018 | Hackatown 2018](#)

- Security application on cashiers terminals verifies payment with a camera through the **FacePlusPlus** API
- Implemented with a basic **expressJs** server and **socket.io** for relaying messages to a simulated terminal with an **NFC android** phone