Francisco Emiliano Lopez Saavedra

📞 +1(450)626-8649 | 🌐 e-lopz.github.io | ✉ emiliano.lopez2404@gmail.com | 📍 Montreal,QC

EDUCATION

University Of Montreal   Aug. 2020 – Dec.2023(expected)
Bachelor of Science in Computer Science-Mathematics   Montreal,QC

- **Relevant classes taken**: Fundamentals of Machine Learning(Python): A;Introduction to Algorithmic: A-;
Data Structures(Java): A-;Methods and Concepts in Statistics(R)

Lycée Franco Mexicain   Aug. 2017 – May 2020
Engineering Stream   Mexico City

AWARDS & CERTIFICATIONS

Bourse d'exemption pour les étudiants étrangers :The biggest scholarship for academic merit available for international students during bachelor studies at the UofM.

SKILLS

Languages : Python, Java, R, Matlab, JavaScript, HTML, CSS
Tools : GitHub, Linux, Numpy, TensorFlow
Human Languages :Spanish, English, French

PROJECTS

Machine Learning Algorithms

- **Languages:** Python,TensorFlow
- **Concepts explored:**Machine Learning, Statistic Estimation
- Convolutional neural networks (CNN), Parzen windows, logistic regression, support vector machines (SVM), and multi-layer perceptrons are just a few of the machine learning models that I've built (MLP). I've used these models on several databases, tweaking and using various methods for different kinds of data.

Data Science project

- **Languages used:** Python,Pandas,TensorFlow
- **Concepts explored:**Machine Learning, Data Collection, Data preprocessing, Data Science
- I recently completed a project where I collected and cleaned data from multiple countries on the internet. To address missing information, I utilized linear regression and Bayes classification (for binary features). I then applied dimension reduction using the Isomap algorithm to analyze the data.

Radio Playlist

- **Languages used:** Java
- Using a priority queue data structure, we made a program that receives a .txt file filled with songs requests, classifies and plays the songs based on the amount of requests, the size of queue and the number of queue re fillings, the program also releases a top-k playlist filled with the k most played songs