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Mexico City 🇲🇽

Language

Spanish — **Native Speaker**

English

Skills

Python

Numpy

Pandas

Matplotlib / Seaborn

Scikit-Learn

Tensorflow

SQL

Spark

Apache Kafka

Google Cloud

AWS

Agile

Git / GitHub

Interests

RegTech | AML | Tech-driven Financial Crime Prevention | Geopolitics | History | Economics | Global Political Economy | Rise of BRICS+ | Post-Western World | China

Jorge Abraham Flores

Data & Machine Learning Engineer (Entry-level)

Profile

As a highly motivated ML & Data engineer, I am committed to leveraging my technical skills and knowledge in data engineering and machine learning to drive impactful business solutions, with a strong interest in the Regtech and Compliance fields. With a solid foundation in programming languages such as Python and experience in data manipulation and visualization tools, I am equipped to support the development and deployment of machine learning models. I am eager to apply my skills to tackle complex data challenges and collaborate with cross-functional teams to deliver high-quality data-driven solutions.

Experience

Data Science and Machine Learning Engineering

I have worked with 50+ Jupyter notebooks, implementing various supervised and unsupervised learning algorithms. I am equipped to support the implementation of a wide range of machine learning algorithms and practices such as Linear Regression, Regularization, Lasso Regression, Ridge Regression, Elastic Net, K Nearest Neighbors, K Means Clustering, Decision Trees, Random Forests, Support Vector Machines, Hierarchical Clustering, DBSCAN and PCA. I have some coursework experience with Deep Learning algorithms such as ANN, CNN, RNN and GAN doing Regression and Classification tasks. I'm also capable of creating **ML microservices (Machine Learning in Production)** with BentoML, FastAPI and Flask.

Data Engineering and Cloud Services

Practical experience processing data with Spark DataFrames on the Databricks Platform using PySpark. Through coursework, I have gained experience implementing basic Spark Jobs using simple Python apps and scripts. Additionally, I have processed large data sets using BigQuery on the Google Cloud Platform within Qwiklabs. I have implemented simple automated CI pipelines using AWS, GPC, Azure and GitHub Actions. I have essential knowledge on some of the cloud tools related to Data Lakes and Data Warehouses, such as S3, Cloud Storage, BigQuery, AWS Glue and AWS Athena.

Education

Universidad Autónoma Metropolitana (2015-2019)

UAM Cuajimalpa is a top university. I gained experience and a solid foundation in C, Data Structures and Algorithms, and Object-Oriented Programming with Java. I also made some projects using HTML, CSS, PHP, JavaScript, and Ajax. Learned React, some Node and MongoDB on my own.

UNAM, Facultad de Ciencias Políticas y Sociales (2008-2011)

Communication and Media Studies. I did some reporting and worked doing media monitoring for PR Newswire Mexico for some years. Through philosophy, language and semiotics lectures I developed a fascination about Philosophy of Mind and Consciousness that continues to this day.