Michell Mercedes Payano Pérez

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Education

Université de Montréal, Montreal, Quebec   **Sept 2023-May 2025 (Expected)**
Mila - Institut québécois d'intelligence artificielle
- Specialized Graduate Diploma (D.E.S.S.) in Machine Learning *(Current program)*
- Professional MSc in Machine Learning *(Starting Fall 2024)*

Relevant Courses: Foundations of Machine Learning, Data Science, Representation Learning, Advanced Machine Learning Projects.

Fordham University, New York, NY   **Aug 2018-Aug 2019**
Master's Degree: MSc in Data Analytics.
Relevant Courses: Data Mining, Big Data, Machine Learning, Advanced Computational Finance.

Pontificia Universidad Católica Madre y Maestra, Santo Domingo   **Aug 2012-Aug 2016**
Bachelor's Degree in Economics. Magna Cum Laude.

Technical Skills and Languages

- **Programming languages:** Python, SQL.
- **Machine Learning and Data Science:** Scikit-Learn, numpy, pandas, matplotlib, seaborn, Keras, TensorFlow, Beautiful Soup, Selenium, XGBoost, Scipy, Pytorch.
- **Other programs:** Power BI, SPSS, Microsoft Office, Microsoft Azure.
- **Languages:** Spanish (Native), English (Fluent), French (Beginner).

Professional Experience

Ministry of Economy, Planning and Development, Santo Domingo
Head of Advanced Data Analysis Department.   **Jun 2022-Aug 2023**
- Supervised the workflow and training of the data analysts.
- Used Python and SQL to extract information from government's data bases, household and labor force surveys, census and other public or non-public data sets, in order to recommend policies based on evidence.
- Developed algorithms in Python to extract information from different sources of semi-structured and unstructured databases, e.g.: Web scraping, data extraction from pdf format.
- Elaborated data visualizations with Python and Power BI about economic indicators and other relevant topics.
- Interpreted, documented and presented/communicated analytical results to the main stakeholders, providing conclusions and recommendations based on data.

Data Specialist, Data Intelligence Department.   **Aug 2019-Jun 2022**
- Used and created algorithms in Python to automate the processes of collecting, cleaning and combining data from government institutions.
- Elaborated data visualizations with Python and Power BI about economic indicators, or other relevant topics.

Central Bank of the Dominican Republic, Santo Domingo
Economist I, National Accounts and Statistics Department.   **May 2016-Aug 2018**
- Estimated the added value of the construction economic activity, as part of the quarterly Gross Domestic Product (GDP).
- Estimated the volume measures for the monthly index of the construction economic activity.
- Elaborated the exportations and importations indexes used for the estimation of the GDP with the expenditure approach.
- Redacted the performance of the construction economic activity used in the Dominican Economy Quarterly Report.

Independent Consulting   **Jul 2015-May 2016**
- Junior consultant assistance for gathering information and elaborating reports about macroeconomic indicators.

Academic Experience

Pontificia Universidad Católica Madre y Maestra, Santo Domingo **Apr 2021-Aug 2022**
- Adjunct Professor of Data Analysis.

Instituto Tecnológico de Santo Domingo (INTEC), Santo Domingo **May 2020-Apr 2021**
- Adjunct Professor of Introduction to Python programming.

Awards

Scholarship granted by the Université de Montréal: **2023-2024**
- Partial exemption scholarship for international students.

Outstanding Performance Recognition: **2022-2023**
- Award given to outstanding public servers at the Ministry of Economy, Planning and Development.

Scholarship granted by the Ministerio de Educación Superior Ciencia y Tecnología: **2018-2019**
- Scholarship from the Dominican government to purse a Master's degree in Data Analytics.

Economic Assistance granted by Pontificia Universidad Católica Madre y Maestra: **2015-2016**
- Economic assistance to meritorious students.
- Economic assistance for members of the Theater group.

Scholarship granted by the Ministerio de Educación Superior Ciencia y Tecnología: **2013-2016**
- Scholarship from the Dominican government to purse a bachelor's degree in Economics.

Continuing Education

Big Data and measuring poverty for sustainable development **2022**

DeepLearning.AI TensorFlow Developer **2022**

Microsoft Certified: Azure Data Scientist Associate **2022**

Create Machine Learning Models in Microsoft Azure **2022**

Microsoft Azure Machine Learning for Data Scientist **2022**