Félix Ernesto **Charry Pastrana**

DATA ENGINEER · MASTER OF SCIENCE · PHYSICIST

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"Many years later as he faced the firing squad, Colonel Aureliano Buendía was to remember that distant afternoon when his father took him to discover ice" — Gabriel García Márquez.

Data engineer and Python programmer.

Working career: Machine Learning models - Python. Academic: detector modelling, simulation of nuclear reactions, elemental composition.

I am looking to expand my experience as a data analyst, willing to learn new knowledge and provide the most reliable programming and statistical level. Committed and team worker.

Experience

Coca-Cola FEMSA   *Mexico City - Mexico*

SPECIALIST DATA ENGINEER   *Sept. 2022 - Present*

- Upload plain files to SQL Server using Microsoft SharePoint Portal
- Get ready data to dashboards related to Commercial data using Azure Data Factory and Databricks
- Explore alternative ways to present data using Microsoft Fabric
- Automate Excel Macros in order to extract data from SAP

UnDosTres   *Mexico City - Mexico*

ETL DEVELOPER   *Aug. 2022 - Aug. 2022*

- Review and check data flux through the company

Ventagium   *Querétaro - Mexico*

JR DATA ENGINEER   *July 2021 - July 2022*

- Prediction of sales using time series models (errors)
- ETL of data associated to different clients
- Durable functions, Azure Data Factory.

TheMadFox - Colombia   *Remote Work*

COLLABORATION IN THE DEVELOPMENT OF SOFTWARE AND DATA
SCIENCE PROJECTS   *Apr. 2021 - May 2021*

- Download data from API, merge it, filter it and create a end-point using Django
- Extract information from html files and create features
- Analyze and interpret the data and build-optimize the machine learning model

TheMadFox - Colombia   *Remote Work*

FREELANCE: TRANSLATE OF AUTONOMOUS ROUTINES BUILT IN
R INTO PYTHON. THIS INCLUDES   *Nov. 2020 - Jan. 2021*

- Download and merge data using API.
- Extrapolate data.
- Create plot reports using Python - Plotly.

Skills

Main	Python, R, LaTeX, Git, SQL
General	FORTRAN, PostgreSQL, C++,
Languages	Spanish (Native) and English (Intermediate level)

Education and E-courses

Ministry of Information Technologies and Communications of Colombia and Correlation One   *Colombia*

FALL 2020 DATA SCIENCE FOR ALL   *August 2020 - November 2020*

- Graduated with Honors and **Outstanding Teamwork.**

Universidad Nacional Autónoma de México   *Mexico City, Mexico*

MASTER OF SCIENCE DEGREE (PHYSICS), **HONORABLE MENTION**   *January 2017 - June 2019*

- Thesis: Unification of gamma, beta and carbon-nitrogen spectrometry measurements for composition simulation and efficiency correction of aquatic sediments, R.

Universidad Nacional de Colombia   *Bogota, Colombia*

BACHELOR'S DEGREE IN PHYSICS   *July 2010 - June 2016*

- Thesis: Systematic analysis of nuclear reactions of alpha particles, **FORTRAN**.

University of Michigan   *coursera.org*

SPECIALIZED PROGRAM: *Applied Data Science with Python*

- Introduction.
- **Machine Learning**.
- **Text Mining**.

University of Michigan   *coursera.org*

SPECIALIZED PROGRAM: *Web Applications for Everybody*   *May, 2021*

- Introduction to Structured Query Language (**SQL**).

IBM   *coursera.org*

SPECIALIZED PROGRAM: *Advanced Data Science with IBM*   *May, 2021*

- Fundamentals of Scalable Data Science. **PySpark**.
- (In process) Advanced Machine Learning and Signal Processing.