



Félix Ernesto Charry Pastrana

DATA ANALYST · MASTER OF SCIENCE · PHYSICIST

Mexico City, Mexico

☎ (+52 1) 55 8478 81 95 | ✉ charrypastranaernesto@gmail.com | 🌐 ernestocharry/portfolio | 🌐 ernesto-charry-pastrana

"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 analyst 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

UnDosTres

ETL DEVELOPER

Mexico City - Mexico

August 2021 - Present

- Review and check data flux through the company

Ventagium

JR DATA ENGINEER

Querétaro - Mexico

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

April 2021 - May 2021

SCIENCE PROJECTS

- 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

November 2020 -

R INTO PYTHON. THIS INCLUDES

January 2021

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

Data Science for All - Remington University

Remote Work

DATA ANALYST: PREDICT THE DROPOUT PROBABILITY OF A

August 2020 -

STUDENT USING DATA FROM 1996 TO 2020. PYTHON AND R.

November 2020

- Define and extract the dropout variable.
- Clean and merge the data.
- Define the Machine Learning Model (Random Forest).
- Locate the data and the model into AWS (EC2).
- Show and use the model in a Front End (Shiny - R).

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**

January 2017 - June

MENTION

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.