



# Félix Ernesto Charry Pastrana

DATA ANALYST · MASTER OF SCIENCE · PHYSICIST

Mexico City, Mexico

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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 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

### 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 SCIENCE PROJECTS

April 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

November 2020 -

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

August 2020 -

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.