



Félix Ernesto Charry Pastrana

DATA ANALYST · MASTER OF SCIENCE · PHYSICIST

Narvarte Oriente, Benito Juárez, PC 03010, Mexico City, Mexico · Willing to relocate? Yes!

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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

TheMadFox - Colombia

COLLABORATION IN THE DEVELOPMENT OF SOFTWARE AND DATA SCIENCE PROJECTS

Remote Work

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

FREELANCE: TRANSLATE OF AUTONOMOUS ROUTINES BUILT IN R INTO PYTHON. THIS INCLUDES

Remote Work

November 2020 - January 2021

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

Data Science for All - Remington University

DATA ANALYST: PREDICT THE DROPOUT PROBABILITY OF A STUDENT USING DATA FROM 1996 TO 2020. PYTHON AND R.

Remote Work

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).

Universidad Nacional Autónoma de México

SCIENCE PROGRAMMER: SIMULATION OF THE EFFICIENCY ϵ OF AN HPGE DETECTOR USING MONTECARLO (C++) AND EXPERIMENTAL DATA.

Mexico City, Mexico

January 2018 - June 2018

Skills

Main Python, R, \LaTeX ,

General FORTRAN, PostgreSQL, C++, Git, Django

Languages Spanish (Native), English (Advanced level)

Education

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

- 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**.

E-courses

University of Michigan

coursera.org

SPECIALIZED PROGRAM: *Applied Data Science with Python*

- Introduction.
- Machine Learning**.
- Text Mining**.
- (In process) Plotting, Charting & Data Representation.
- (In process) Social Network Analysis.

University of Michigan

coursera.org

SPECIALIZED PROGRAM: *Web Applications for Everybody*

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

IBM

May, 2021

SPECIALIZED PROGRAM: *Advanced Data Science with IBM*

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

DeepLearning.AI

May, 2021

SPECIALIZED PROGRAM: *Deep Learning Specialization*

- (In process) Neural Networks and **Deep Learning**.

DeepLearning.AI

June, 2021

SPECIALIZED PROGRAM: *Machine Learning Engineering for Production (MLOps)*

- (In process) Notificaciones Introduction to Machine Learning in Production.