FÉLIX ERNESTO CHARRY PASTRANA

DATA SCIENTIST
MASTER OF SCIENCE (PHYSICS) - UNAM

🇨🇴 Colombian

📅 05 - 11 - 1992

✉ charrypastranaernesto@gmail.com

📞 55 8478 81 95

📍 Mexico City

🌐 github.com/ernestocharry/Codes

WORK EXPERIENCE

MsC (Physics), data analysis and simulation.

.Freelance - Rewrite analytical and graphic code from **R** to **Python**
The Mad Fox, November 2020 – present

.Prediction of the dropout probability using **Machine Learning (Python)** - Universidad Remignton, September 2020 – November 2020

.Unification of gamma, beta and carbon-nitrogen spectrometry measurements for composition **simulation** and correction in efficiency of aquatic sediments (R), January 2018

.**Simulation** of the efficiency of an HPGe detector using MonteCarlo (C++) - UNAM, 2018

🎓 EDUCATION

Data Science for All (DS4A) Fall 2020
Graduated with Honors and Outstanding Teamwork
Ministerio de Tecnologías de la Información y las Comunicaciones de Colombia and, Correlation One, 2020

Applied Data Science with Python: Introduction, Machine Learning, Text Mining
coursera.org - University of Michigan - Python
2020

Master of Science (Physics)
UNAM - Nuclear applied physics - R
January 2017 - June 2019

Degree in Physics
Universidad Nacional de Colombia - Nuclear reactions - FORTRAN
June 2010 - June 2016

SKILLS

Python (numpy, pandas, Scikit-Learn, NLTK, data cleaning), **R** (shiny)
Linux, Macintosh, Windows
Logical thinking, mathematics and statistics
Leardship and Teamwork

Spanish (native) and English

💼 THESIS AND ARTICLES

Master's thesis - honorable mention
Calibration of a gamma spectrometry system in a well configuration for aquatic sediment samples (2019)

Systematic analysis of α elastic scattering with the Sao Paulo potential, AIP Conference Proceedings 1753 (2016)

Synthesis, structural and morphological characterization of the perovskite $LaYbO_3$, J. Phys.: Conf. Ser. 687 012104 (2016)

INVESTIGATION GROUPS

Global and Climate Change Laboratory
Instituto de Ciencias del Mar y Limnología - UNAM
Enero 2018 - junio 2019

Research Stay
June 15 - 2016, 10 weeks
Oak Ridge National Laboratory, Tennessee, Estados Unidos
Applied Nuclear Physics

Nuclear Physics Group
Universidad Nacional de Colombia
June 2014 - December 2016