John F. Suárez-Pérez

DATA SCIENTIST
Artificial Intelligence, Data Mining

Ph.D. in Science - Physics
Bogotá, Colombia

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Formal Education

2023　Ph.D. in Physics, Universidad de los Andes - Bogotá, Colombia, "Artificial Intelligence in Astronomy: Machine Learning and Deep Learning Approaches to DESI Data".

2017　M.Sc. in Physics, Universidad de los Andes - Bogotá, Colombia, "Experimental Control of frequency correlations between photon pairs from an announced individual photons source".

2014　B.S. in Physics, Universidad Distrital Francisco José de Caldas - Bogotá, Colombia, "Computational software development for the study of circuits with memristive elements".

Further Education

2022　MOOC, "Curso **Inteligencia Artificial (IA) con Microsfot Azure**". Corporación Colsubsidio Educación Tecnológica - CET.

2021　MOOC, "**Julia Scientific Programming**". University of Cape Town. Coursera.

2020　MOOC, "Applied **Machine Learning in Python**". University of Michigan. Coursera.

Experience

2024
2023　ADJUNCT PROFESSOR. Fundación Universidad de América. **Data Analytics**, **Big Data Analytic**s.

2023
2019　RESEARCH ASSISTANT. Universidad de Los Andes. Transients Project: Localize Transient Astronomical Objects on image sequences with **Deep Learning**.

2023
2018　GRADUATE ASSISTANT PH.D. Universidad de Los Andes. **Computer Vision**, **Introduction to Data Science**, Computational Methods, Physics I.

Skills and Abilities

Software Development Skills

Python: ● ● ● ● ●   Bash: ● ● ● ● ○

C++: ● ● ● ● ◗   Julia: ● ● ● ○ ○

Software Tools

Visualization: ● ● ● ● ●   Machine Learning: ● ● ● ● ●
matplotlib, gnuplot   *sklearn, pytorch*

Data Analysis: ● ● ● ● ●   Others: ● ● ● ● ●
numpy, pandas   *git, make*
scipy, astropy   *conda, jupyter-lab*

Languages

Spanish: ● ● ● ● ●

English: ● ● ● ● ○   Esperanto: ● ● ● ○ ○