

John F. Suárez-Pérez

DATA SCIENTIST

Artificial Intelligence, Data Mining, Graph Algorithms.

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

- 2021 MOOC, “Julia Scientific Programming”. University of Cape Town. [Coursera](#).
- 2020 MOOC, “Applied Machine Learning in Python”. University of Michigan. [Coursera](#).
- 2019 MOOC, “Electrones en Acción: Electrónica y Arduinos para tus propios Inventos”. Pontificia Universidad Católica de Chile. [Coursera](#).
- 2019 MOOC, “Introducción a la programación en Python I: Aprendiendo a programar con Python”. Pontificia Universidad Católica de Chile. [Coursera](#).

Experience

- 2019 RESEARCH ASSISTANT. Universidad de Los Andes. Transients Project: Localize Transient Astronomical Objects on image sequences with **Deep Learning**.
- 2023 ADJUNCT PROFESSOR. Fundación Universidad de América. Data Analytics, Big Data Analytics.
- 2018-2023 GRADUATE ASSISTANT PH.D. Universidad de Los Andes. **Computer Vision, Introduction to Data Science**, Computational Methods, Physics I.
- 2016-2017 GRADUATE ASSISTANT M.Sc. Universidad de Los Andes. Experimental Physics I, Experimental Physics II, Basic Physics I Laboratory, Physics I, Physics II, Modern Optics.

2015-2015 ADJUNCT PROFESSOR. Universidad de Los Andes. Experimental Physics I, Experimental Physics II.

Skills and Abilities

SOFTWARE DEVELOPMENT SKILLS

Python: ●●●●●

C++: ●●●●●

Bash: ●●●●●

Julia: ●●●●●

SOFTWARE TOOLS

Visualization: ●●●●●
matplotlib, gnuplot

Data Analysis: ●●●●●
numpy, pandas
scipy, astropy

Machine Learning: ●●●●●
sklearn, pytorch

Others: ●●●●●
git, make, conda

LANGUAGES

Spanish: ●●●●●

English: ●●●●●

Esperanto: ●●●●●

Last updated: January 11, 2024 •