

ÁLVARO MONFORTE MARÍN

#Physicist #DataScientist

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PROGRAMMING

Python Bash R

CLOUD COMPUTING

Google Cloud Platform

MACHINE LEARNING

TensorFlow

DATABASE

PostgreSQL pgAdmin4

MySQL MongoDB

VERSION CONTROL

GIT

VISUAL ANALYTICS

Tableau Flourish

Infogram Plotly

WEB SERVER

Apache

LANGUAGES

Spanish: Native

English: Fluent

INTERESTS

- Creating my own website.
- Solving problems in leetcode.
- Acquire knowledge of any branch of science.

SOCIAL

- Organizer of the Physics Student Congress for two years: [coefis.es]
 - COEFIS VII
 - COEFIS X

ABOUT ME

Physicist Data Scientist. B.Sc. in Physics from Universidad de La Laguna (ULL), Spain. Pursuing a Master's degree in Data Science at Universitat Oberta de Catalunya (UOC), Spain (expected completion: July 10). Currently based in Bilbao. Enthusiastic about Python, particularly TensorFlow 2. Former High School Teacher in Florida, teaching math, physics, Spanish, and robotics to diverse student levels. Continuously learning by myself.

EXPERIENCE

Upper High School Teacher | Joshua Christian Academy

08 2022 – 05 2023

Jacksonville, United States of America

- Physics - Honors Track, Trigonometry - Honors Track, Algebra 2, Robotics for High School and Elementary School, Spanish 1 & Spanish 2.

Robotics Instructor (Lego) | Shiva Robotics Academy

03 2022 – 06 2022

S.C de La Laguna, Spain

- Teaching elementary school children to develop in robotics with mindstorm lego kits

Physics and Maths Tutor | Inglessa Academy

12 2016 – 03 2017 & 09 2017 – 01 2018

S.C de La Laguna, Spain

- Calculus I, II, Linear Algebra, Geometry. Statistics for Economics, Medicine, Psychology and Biology. Physics I, II for engineering. Supervise two Final degree works. Supervise Statistics of two papers for two h-index five journals

Physics & Maths Tutor | Freelance

01 2012 – 07 22

Spain & United States of America

EDUCATION

Data Science Master's degree | Universitat Oberta de Catalunya (UOC)

2022 (sep)-2023 (10 jul) | 90 ECTS

Avinguda Tibidabo, Barcelona, Spain

Physics Bachelor's degree | Universidad de La Laguna (ULL)

2022 (Finished) | 240 ECTS

S.C. de La Laguna, S.C. de Tenerife, Spain

Mathematics Bachelor's degree | Universidad de La Laguna (ULL)

Currently

S.C. de La Laguna, S.C. de Tenerife, Spain

PROJECTS

Predict molecular properties using the Graph Neural Network framework: Infer the Scalar coupling constant from a Kaggle competition dataset | [Master's thesis](#) | In progress | UOC

03 2022 – 07 2023 (10 jul)

Telematic

Initiation to the theoretical study of materials:

DFT for C, Si, Ge and Sn | [Bachelor's thesis](#) | [Link to project](#) | ULL

09 2021 – 07 2022

Telematic