Mateo Rodríguez

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EDUCATION

UNIVERSITY OF OVIEDO — 2020-2025

Bachelor of Science - Physics (240 ECTS)
Bachelor Thesis (TFG) at SumoLab with a STM

VCQ SUMMER SCHOOL: INTERFACING GRAVITY AND QUANTUM PHYSICS — 09/2024

25.5h course, organized by Vienna Center for Quantum Science and Technology. Certificate Link

DUTCH SUMMER SCHOOL OF THEORETICAL PHYSICS — 08/2024

1.5 ECTS course on Theoretical Physics. Utrecht Summer School. Certificate Link

XII GEFENOL SUMMER SCHOOL ON STATISTICAL PHYSICS OF COMPLEX SYSTEMS — 07/2024

International 60h course on Complex Systems, applied AI and Data Modeling. URJC Madrid. Certificate Link

SATURDAYS AI ASTURIAS — 02-06/2024

160h AI course with Python in which a project with social impact is developed. Certificate Link

ACHIEVEMENTS/CERTIFICATIONS

DATA ANALYSIS WITH PYTHON — 02/2024

Course provided by IBM. Certificate

PYTHON FOR DATA SCIENCE — 01/2024

Course provided by IBM. Certificate

OXFORD INTERNATIONAL JUNIOR PROGRAMMES — 07/2018

45 Hour English Course, Edinburgh. Certificate

CAMBRIDGE FIRST CERTIFICATE IN ENGLISH — 2017

Council of Europe Level B2. Certificate

WORK EXPERIENCE/PROJECTS

IUTA INTERNSHIP — 09-12/2024

Project SV-24-GIJON-1-15. The goal is developing a model, using ML, able to detect faults and predict the performance of a marine diesel engine.

REINFORCEMENT LEARNING — IN PROGRESS

Solving a maze environment with Variational Quantum Circuits (Quantum RL) and comparing the performance with Classical RL.

APPLICATIONS OF ML TO THE STUDY OF BRAIN METASTASES — 04-06/2024

Developed inside the context of Saturdays AI Asturias. Github link Code link

ABOUT MYSELF

I am a really curious person which aims to do and learn interesting things. I come from a family in which hard work and empathy are critical values.

INTERESTS

SCIENCE, PHILOSOPHY & MATHEMATICS

TECHNICAL SKILLS

PYTHON

NumPy, SciPy, Pandas, Sklearn, TensorFlow...

LaTeX

EXCEL

DATA SCIENCE/ANALYSIS & ML / AI

LANGUAGES

SPANISH

Native

ENGLISH

Fluent