



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](#)

TECHNICAL SKILLS

PYTHON

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

L^AT_EX

EXCEL

DATA SCIENCE/ANALYSIS & ML / AI

LANGUAGES

SPANISH

Native

ENGLISH

Fluent

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 Quan-
tum Circuits (Quantum RL) and comparing the per-
formance 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

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](#)