Álvaro Méndez Rodríguez de Tembleque

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Nationality	Spanish	**Github**	Profile

Personal Profile

I am a curious and proactive student who wants to apply what I learn at University to solve problems of the real world. I enjoy learning new things in a wide range of fields. However what interest me most is the application of data driven solutions and machine learning.

Education

Sep 2023-
May 2025   BSc in Physics - Universidad Complutense, Madrid

Sep 2020-
May 2023   BSc in Physics (First to third course) - Universidad Europea de Madrid, Madrid

Certificates

- **Python course by Google in Coursera**
- **Data analytics by IBM**
- **Ionizing radiation: application and Safety by Universidad Autónoma de Madrid in association with COFIS**
- **Data Driven Astronomy in Coursera**

Projects

Jan 2023 -
May 2023   Universidad Europea de Madrid, Madrid
Machine learning project of stellar clasification
In this project I used different scikit-learn algorithms to classify stars based on the spectrum obtained from the Sloan Digital Sky Survey (SDSS)

Technologies/Knowledge: Python, Web Scrapping, Machine learning

Jan 2023 -
May 2023   Universidad Europea de Madrid, Madrid
Sputtering machine to coat thin layers of copper
In this project, done in pairs, me and my collegue made a small sputtering machine and coated micro sample holders with copper and study the transmittance where we could see a preturbance due to de the band gap of the copper

Technologies/Knowledge: Electromagnetism, Plasma Physics, Vacuum, Solid state, Envelop fitting, Scientific research

Skills/Tools

- **Programming Languages**
  - *Python*
  - *C++*
  - *Latex*
  - *Git/Github*
  - *Origin-* 2019
  - *Office package*

- **Personal skills**
  - *Communicative*
  - *Collaborative*
  - *Proactive*
  - *Good level of English*