Paula Robles López

paumurl   my linkedin   paularobleslopez   [redacted]

Experience

Oct 2021 – June 2022

Intern at CBGP, Spain
- Designed and implemented a HISAT2-StringTie pipeline to assembly transcriptomes from Arabidopsis RNAseq files.
- Identified differently expressed genes in Arabidopsis.
- Performed data visualization techniques.

Education

2022 – 2023

MSc in Data Science at Polytechnic University of Madrid, Spain

2018 – 2022

BSc in Computational Biotechnology at Polytechnic University of Madrid, Spain
Special interest in data mining, machine learning and database management.

2023 – 2023

Machine Learning Engineering for Production (MLOps) Specialization at DeepLearning.AI

2021 – 2021

MOOC: Machine Learning and Big Data for Bioinformatics at University of Granada, Spain
100 hours worth.

Projects

2022 – 2022

BSc thesis – Analysis of genetic determinants of turnip mosaic virus adaptation to the tolerance response in *Arabidopsis thaliana* at Polytechnic University of Madrid, Spain
Provided evidence that TuMV adaptation alters the Arabidopsis transcriptome to its benefit, enhancing viral seed transmission and resource exploitation.

2023 – 2023

MSc thesis about GPT models – at Polytechnic University of Madrid, Spain
Building a custom chatbot assistant fueled by GPT models and using a REST API built with Flask. Provides a seamless user experience through a locally hosted frontend page powered by Gunicorn

Grants

Collaboration fellowship with University departments, 2021/2022.

Languages

Spanish (native), English (proficient, C1) and German (basic).

Skills

- Experienced in **Python** and **Bash**.
- Comfortable with **R**, **MySQL** and **LaTeX**.
- Familiar with **Git**, **Flask**, **Docker**, **HTML** and **CSS**.
- Basic knowledge of **Java**, **FastAPI** and **Django**.