

Paula Robles López



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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

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
2022 – 2022	BSc thesis – Analysis of genetic determinants of turnip mosaic virus adaptation to the tolerance response in <i>Arabidopsis thaliana</i> at Polytechnic University of Madrid, Spain Provided evidence that TuMV adaptation alters the <i>Arabidopsis</i> transcriptome to its benefit, enhancing viral seed transmission and resource exploitation.

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**.