

Paula Robles López



paumurl



my linkedin



paularobleslopez



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Experience

Jul 2023 –
Present

Junior Data Scientist at **indigitall, Spain**

- Developed **Python-based AI projects** while adhering to **Gitflow Workflow** for version control.
- Supported and maintained cloud production systems to enhance reliability and scalability, leveraging **Kubernetes** and **Google Cloud Platform (GCP)** tools.
- Implemented and maintained **CI/CD workflows with CircleCI and Argo CD** to optimize deployment processes.
- Created and modified **API endpoints** to support application functionality.
- Designed and managed database schemas, as well as performing data extraction, manipulation, and analysis using **BigQuery and PostgreSQL**.

Oct 2021 –
June 2022

Data Analyst Intern at **CBGP, Spain**

- **Automated** a HISAT2-StringTie pipeline for **transcriptome assembly** using Arabidopsis RNAseq files, in Bash and Python.
- Conducted **differential gene expression data analysis** in Arabidopsis and presented the results using data visualization techniques, in R.

Education

2022 – 2023

MSc in Data Science at **Polytechnic University of Madrid, Spain**

Specialized in data processing, cloud infrastructure, statistical data analysis and machine learning. Awarded as one of the top four academic records for the 2022/23 academic year.

2018 – 2022

BSc in Computational Biotechnology at **Polytechnic University of Madrid, Spain**

Special interest in data mining, machine learning and database management.

Projects

2023 – 2023

MSc thesis about GPT models – at **Polytechnic University of Madrid, Spain**

Developed a custom GPT-powered chatbot with a Flask-based REST API, using SQLAlchemy for user management. The assistant is hosted locally with a frontend served by Waitress, ensuring a smooth user experience. Available on **GitHub**.

Grants

- Collaboration fellowship, 2021/2022
- Best Record Award, 2022/23

Languages

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

Skills

- Experienced in **Python, Git** and **Bash**.
- Comfortable with **R, SQL, Docker, FastAPI, Postman** and **LaTeX**.
- Familiar with **Kubernetes, GCP, Flask, HTML** and **CSS**.
- Basic knowledge of **Spark, Java** and **JavaScript**.