

Paula Robles López



paumurl



my linkedin



paularobleslopez



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Experience

Jul 2023 –
Present

Junior Data Scientist at **indigitall, Spain**

- Engineered scalable **Python-based AI systems** while enforcing **Gitflow Work-flow**, improving collaboration and code reliability.
- Orchestrated and maintained high-availability production environments with **Kubernetes** and **Google Cloud Platform (GCP)**, increasing system reliability and scalability.
- Built automated **CI/CD pipelines using CircleCI and Argo CD**, accelerating deployment cycles and reducing release errors.
- Developed and optimized robust **API endpoints**, enabling seamless service integration and improving application performance.
- Designed efficient database schemas and automated data workflows using **Air-flow DAGs, BigQuery, AlloyDB, and PostgreSQL**, transforming raw data into actionable insights.

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 cloud, machine learning, and data analysis.

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 chatbot with a Flask REST API, SQLAlchemy, and Waitress for local hosting. 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**.