Marta Cuevas Rodríguez

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Summary

Graduated in Health Engineering from the University of Málaga, with training in bioinformatics and a strong interest in computing and technology applied to the healthcare sector. I consider myself proactive, creative, and quick to learn. I am passionate about teamwork and facing new challenges that allow me to contribute to innovative solutions in the health sector from a technological perspective.

Work Experience

Dedalus   Mar 2025 – May 2025
Intern Undergraduate Technical Interoperability
Málaga, Spain

- Development and testing of REST services using **Postman API** for clinical system integration.
- Management and analysis of clinical data using **Elasticsearch**.
- Implementation of healthcare communication standards such as **HL7 and FHIR** for secure information exchange between systems.
- Automation of data workflows using **Apache NiFi**.
- Programming scripts and support tools in **Python** to facilitate interoperability between healthcare platforms.

Certifications

Machine Learning and Big Data for Bioinformatics – University of Granada (100 hours).   Apr 2023
Fundamentals of machine learning, big data, and applications in bioinformatics.

Make Better Data-Driven Decisions: Power BI – Santander X (8 hours). Training in   October 2025
creating reports and dashboards with Power BI to support data-driven decision-making.

Education

Bachelor's Degree in Health Engineering — Specialization in Bioinformatics   09/2021 – 07/2025
University of Málaga, Málaga, Spain
Final grade: 7.76
www.uma.es

International Mobility Program Erasmus+ (English)   09/2023 – 06/2024
AGH University of Science and Technology (AKADEMIA GÓRNICZO-HUTNICZA), Krakow, Poland
home.agh.edu.pl

Science High School Diploma   09/2019 – 06/2021
IES Huelin, Málaga, Spain
Final grade: 9.57

Exchange Program Abroad 2019, 2018
CES (Center of English Studies), Worthing, United Kingdom

Languages

Spanish: Native
English: B2 — Cambridge English Assessment (Issued: July 2020)

Skills

- **Programming Languages & Frameworks:** Python, R, Java, Spring Boot, Angular, C#, Bash

- **Databases:** SQL Server, MySQL, MongoDB, Elasticsearch

- **Data Science & Machine Learning:** Pandas, NumPy, Scikit-learn, TensorFlow, Keras, PyTorch, Ollama, Matplotlib, Plotly, RStudio

- **Data Engineering:** ETL, Apache NiFi, Power BI, Data Warehouse, XML, RDF, OWL, SPARQL, MDX, HL7, FHIR, Postman API

- **Cloud & DevOps:** Git, Linux

- **Other Skills:** Teamwork, Communication, Adaptability, Critical Thinking, Fast Learning, Time Management, Agility, Working Under Pressure, Initiative

Projects

Bachelor Thesis: Alzheimer's MRI Image Classification using Deep Learning

Python, PyTorch, Scikit-learn, ImageNet models, NumPy, Pandas, CNN

Development of a convolutional neural network (CNN) model to classify brain MRI images and detect patterns associated with Alzheimer's disease.

Data Warehouse for Medication Expense Analysis in Hospitals

ETL, Power BI, OLAP, MDX

Design of a system for hospital data analysis in the U.S. using ETL pipelines, OLAP cubes, and MDX queries. Development of interactive dashboards in Power BI to extract key insights on pharmaceutical expenses.

Web Application for Skin Disease Detection

Python, CNN, TensorFlow, FastAPI

Review of the state of the art in clinical deep learning and development of a web application for detecting skin diseases from images. Implementation with deep vision models and web technologies.