

Ernesto Martínez Gómez

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Data Scientist

SKILLS

Engineering

- **Data Science** - Python, R, SQL, Statistics, Data Visualization, Web Scraping
- **Web Development** - JavaScript, Svelte, HTML, CSS, FastAPI, Flask
- **Software tools** - Linux, Git and GitHub, Excel, LaTeX, Figma
- **Infrastructure** - Container based environments, Docker

General

- **Language Skills** - Native Spanish, advanced English
- **Social Skills** - Reliable, Organized, Analytical Thinking, Self-Learning

PROJECTS

Movie Recommendation System - Filmanin

2023

- *Developed a movie recommendation system with a web application interface, utilizing the TMDB API to create the dataset.*
- *Implemented analysis and classification techniques in Python, leveraging tools like Pandas and Scikit Learn, to compare movies and generate recommendations.*
- *Designed an interactive web interface using technologies such as FastAPI, htmx, and JavaScript, featuring visual charts of movie comparisons created with Chart.js.*
- *Employed Git and GitHub for version control of the project, and Docker for efficient management of development environments.*

Analysis for 2023 Spanish Athletics Ranking

2023

- *Descriptive analysis of the Spanish athletics ranking in 2023, utilizing data from the official ranking of the Spanish Athletics Federation obtained through web scraping with Selenium and BeautifulSoup.*
- *Developed an interactive web application using Streamlit (Python), and Plotly, allowing readers to modify certain parameters to customize the analysis.*
- *Incorporated visualizations such as graphs and provided conclusions on the landscape of sub-18 Spanish athletes in 2023.*
- *Utilized Git and GitHub for version control of the project.*

Workout Timer Web App - Calitimer

2021

- *Developed a stopwatch and interval timer optimized for mobile devices, storing data in the browser.*
- *This is a full-stack web application with a non-relational database in the browser, PouchDB.*
- *Utilized tools such as Svelte-kit, PouchDB, TailwindCSS, HTML, and CSS to create an efficient and responsive web interface.*
- *Implemented Git and GitHub for version control of the project.*

EDUCATION

Universitat Politècnica de Valencia

Data Science Degree

2022-2026

- Minored in Python Programming

I.E.S. Bonifacio Sotos

High School (Bachillerato)

2020-2022

- Academic Excellence Mention