Javier Pérez Vargas

Student of Data Science and Artificial Intelligence

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⊘ https://javipzv.github.io/

Profiles

in Javier Pérez Vargas

⊘ javipzv

About me

As of today, I am studying the Data Science and Artificial Intelligence degree at the Polytechnic University of Madrid. I enjoy learning and exploring the world of technologies in general, expanding my knowledge and skills in this constantly evolving field. On a personal level, I consider myself someone who enjoys the opportunity to apply my skills to positively impact the people around me.

Education

Universidad Politécnica de Madrid   **Septiembre 2021 - Junio 2025**

Data Science and Artificial Intelligence   Grado

Nota media: 8.73

Projects

Facial Recognition   **April 2024 - June 2024**

⊘ https://github.com/javipzv/facial-recognition

Facial recognition project that aims to recreate a mobile gallery that includes the functionality of recognizing faces using modern techniques of embeddings and computer vision.

Data analysis and clustering techniques   **Oct. 2023 - Dic. 2023**

⊘ https://github.com/javipzv/fruits-data-analysis-and-clustering

Analysis of a fruit dataset. It covers the entire process of data exploration, preprocessing techniques, application of clustering methods, and discussion of the results.

Application of homography and panoramic   **Dic. 2023 - Feb. 2024**
techniques on images.

⊘ https://github.com/javipzv/homographies-and-image-stitching

Merging images using homographies, applying keypoint detection (FAST and SIFT), point matching, RANSAC, and projections onto spherical surfaces.

K-Means Algorithm from scratch   **Sept. 2023 - Oct. 2023**

⊘ https://github.com/javipzv/kmeans-algorithm-from-scratch

Creation from scratch of the K-Means algorithm (including optimizations) and subsequent application on different datasets.

Technologies

Programming

Python, C++, R, JavaScript, SQL

Deep Learning

Scikit Learn, Tensorflow, PyTorch

Data Science

Analysis, Visualization

Databases

MySQL, SQLite, Kafka, PySpark

Skills

Teamwork

Problem solving

Flexibility

Organisation and planification

Languages

Spanish

Native proficiency

English

Professional competence

Galician

Native proficiency

Competitions

- **Winner: Datathon BeTech (2024)**

- **Programming Contest Ada Byron (2023 y 2024)**

- **Cloudflight Coding Contest (2023)**

Certificates

- **B2 First (Cambridge)**

- **Microsoft Certified: Azure AI Fundamentals**

- **Microsoft Certified: Azure AI Engineer**

Interests

· **Practising sport**

· **Travelling**

- **Meeting friends**