



Pablo Muñoz Alcaide

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ABOUT ME

Mathematician and Artificial Intelligence Engineer with a Master in Intelligent Systems and experience in research projects on emotion recognition using Machine Learning and Python. I consider myself a versatile person, who likes to be in constant development and learning, as well as enjoying overcoming complex challenges. I am looking for a position where I can apply my technical and analytical skills in Artificial Intelligence and Data Science projects, contributing to the team's success while learning and growing in a collaborative, cutting-edge environment.

WORK EXPERIENCE

10/2023 – 06/2024

RESEARCHER (COLLABORATION GRANT) UNIVERSITAT JAUME I

- Research on the temporal consistency of emotional responses from EEG signals with Machine Learning.
- Development of novel methods to quantify affective consistency.
- Improved generalization of emotion recognition models using weighted-consistency approaches.

10/2022 – 03/2023 Valencia, Spain

DATA SCIENCE INTERNSHIP CAPGEMINI ESPAÑA, S.L.

- Practical experience in Python and SQL for data analysis and business optimization.
- Assistance in the development of data pipelines to process and analyze large datasets.
- Collaboration with multidisciplinary teams to solve complex data-related problems.

EDUCATION AND TRAINING

07/2023 – 09/2024

MASTER'S DEGREE IN INTELLIGENT SYSTEMS Universitat Jaume I

- Extensive background in Machine Learning, Computer Vision, and Natural Language Processing (NLP).
- Experience in Big Data analysis using Pandas and PySpark.
- Neural parallelization with mpi4py and Cython. Basic knowledge of C, OpenMP, MPI and CUDA for high performance ML.
- Expertise in cloud computing, IoT, and intelligent control.

2018 – 2023

BACHELOR'S DEGREE IN MATHEMATICS Universitat de València

SKILLS

Languages

- **Spanish:** Native
- **Valencian/Catalan:** C1 (Official EOI Certificate)
- **English:** B2 (Official Certificate CertAcles)

Programming

- **Python:** Pandas, PySpark, PyTorch, TensorFlow, Scikit-learn, Keras, OpenCV.
- **C:** High Performance Machine Learning, using CUDA, OpenMP, MPI.
- **SQL:** Database querying, optimization, data manipulation.
- **MATLAB:** Applied mathematics and numerical analysis.
- **GIT:** Version control.
- **R:** Statistical analysis.

Core Competencies

- Effective collaboration and communication within multidisciplinary teams.
- Passion for continuous learning and innovation.
- Strong analytical and problem-solving skills.
- Advanced logical reasoning and abstract mathematical thinking for data-driven problem-solving.