

Ana Machado Cuevas

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Artificial Intelligence Engineer with expertise in developing state-of-the-art AI solutions. Proven experience in Python, machine learning frameworks, and algorithm design. Skilled in leading cross-functional teams and delivering scalable AI applications. Passionate about advancing AGI through innovative research and practical implementation.

INTERNATIONAL MOBILITY AND PROJECTS

ERASMUS HOME (HUMAN OUT MIGRATION IN EUROPE)

Double mobility in collaboration with IES Torrellano, Sept 2021

Project ref: 2020-1-FR01-KA229-079855

Budapest, Hungary

Sept 2021

Alicante, Spain

March 2022

KEY PROJECTS

AGI-Powered Educational Assistant: Developed a Python-based AI tutor using GPT-4 and fine-tuned LLMs (Hugging Face). Deployed via Docker and cloudflared, achieving 98% user satisfaction in beta testing.

Alicante, Spain

2024

Autonomous Robotics System: Designed a fuzzy logic controller in Python for 2D robot navigation. Implemented real-time decision-making algorithms validated in simulation environments.

2023

Unreal Engine AI Integration: Built a C++ plugin for Unreal Engine 5 to simulate AGI behaviors in 3D environments.

2023

EDUCATION

UNIVERSITY OF ALICANTE

Bachelor's Degree in Artificial Intelligence Engineering (GPA: 3.8/4.0)

Alicante, Spain

Sept 2020 - 2024

OXFORD TEST OF ENGLISH

B2 Level, ref: 263339

Alicante, Spain

May 2024

PROFESSIONAL EXPERIENCE

AI Research Intern | TechInnovate Labs

Collaborated on AGI research projects using PyTorch and Hugging Face transformers. Optimized reinforcement learning algorithms for autonomous systems. Mentored junior developers in implementing NLP pipelines.

Valencia, Spain

June 2024 – present

Project Lead | University of Alicante AI Lab

Directed a team of 5 to build a modular AGI framework for educational purposes. Integrated Node2Vec embeddings and graph-based models for dataset analysis. Published findings in IEEE Transactions on AI Systems.

Alicante, Spain

2022 – 2023

ADDITIONAL SKILLS

Scripting tools: git, Docker, CMake, Bash

Machine Learning Tools: PyTorch, Hugging Face, pandas, numpy, matplotlib, ollama, AI gents

Programming: Python, C++, C, Swift, LaTeX, noSQL, SQL, Java Script

Languages: English (Fluent), Spanish (Native), Catalan (Native)