

Jose María García Quijada

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Software Engineer specialized in AI and Front-end

Hello there! I'm a software engineer on a relentless pursuit of excellence. Always striving to maximize my potential and achieve my goals, I see my perfectionism as a valuable asset that sets me apart. When an idea takes shape in my mind, I simply can't rest until I bring it to life. The thrill of turning imagination into reality fuels my drive to create innovative solutions and deliver top-notch results.

You can see all my detailed information on my website. Take advantage and see what I'm capable of!

 www.josemariguijada.com

Skills

- Python
- Pytorch
- Tensorflow
- Keras
- OpenCV
- HTML & CSS
- JavaScript
- TypeScript
- React
- Angular
- Flask
- Express
- Docker
- Jest
- Spark

Experience in companies

FEB 2024 – JAN 2025

DEEP LEARNING AI ENGINEER

MP Lifts, Seville

R&D&I engineer in deep learning for the **processing and classification of information from surveillance cameras** for the optimisation of resources in future implementations.

Develop AI models capable of interpreting and **extracting** image data, **analyzing** the collected data, **understanding** its meaning and **using** it to optimize future implementations or create new concepts.

JUL 2023 – NOV 2023

FRONT END DEVELOPER

Eyas Gaming, Gibraltar

I **adapted quickly** and efficiently in a timeframe well **below the company's expectations** because I started working on a project side by side with my colleagues 3 weeks earlier than expected.

As I was the only on-site office developer, I had a great responsibility if any problems arose in the office, as they had to be solved by me efficiently and quickly. So, **I am used to withstand the pressure and work under it.**

Education

2024-2025

MASTER'S SOFTWARE ENGINEERING (AI SPECIALIZATION)

University of Seville

2019-2023

BACHELOR'S SOFTWARE ENGINEERING

University of Seville

Experience with small businesses

JAN 2025 – JUL 2025

WEB DESIGNER, DEVELOPER & AI ENGINEER

GymEra9, Cádiz

Local gym **looking to expand and improve its brand by creating a new website** where people can find out about the latest news and activities of the gym.

Thanks to an **AI-based people counting system**, users can see the capacity of the gym in real time from home through the web.

DEC 2023 – FEB 2024

WEB DESIGNER & DEVELOPER

Carmenlands, Cádiz

Carmen did not have a place to show her art, so she contacted me to **create a place where she could show and sell her art**. She needed a picturesque place to showcase her work and products, so CarmenLands was born **making the visibility** of her products increase to almost x10 times what it was before.

In addition, with a place where they could buy their products easily without having to do it manually, **their sales increased by 60% more** and the online system reduced their efforts by almost half.

FEB 2023 – JUN 2023

WEB DESIGNER & DEVELOPER

DRM Wipes, Cádiz

I **offered visibility** to the brand by **creating a website with the aim of keeping the attention of multinational companies** such as Marriot and Hilton Hotels. In addition, the creation of a specific section on the website opened up **the possibility of expansion with new brands** related to the world of fitness.

NOV 2022 – JAN 2023

WEB DESIGNER & DEVELOPER

Dietista Barrilado, Cádiz

Create online support for the company **with the aim of doubling their customer base** by creating a website to promote your products and services.

Using AI in real life scenarios

Feel free to enjoy them by reading and downloading them from my website.

AVIARY

Development of a multi-platform AI-based bird identification application.

React, PyTorch, MongoDB, PWA, Express, Bootstrap

TRANSFER LEARNING IN CONVOLUTIONAL MODELS

Transfer learning with pre-trained models for face mask detection, from data preprocessing to fine-tuning and evaluation on different test sets.

TensorFlow, Keras, Numpy, Pandas, Matplotlib, OpenCV

EARLY DETECTION OF KIDNEY DISEASE

Analysis and modeling of chronic kidney disease through data preprocessing in four versions and comparative training of multiple classification algorithms.

Python, Pandas, Numpy, Scikit-learn (KNN, DecisionTree, RandomForest, GradientBoosting, LogisticRegression, SVM, MLP), Matplotlib, Seaborn, TensorFlow, Keras

BITAHEALTH

BitHealth detects emotional states like stress or relaxation from ECG signals using HRV features, and machine learning models and delivers results via a simple web API and React interface.

React, PWA, Python, FastAPI, NeuroKit2, PyTorch

BIOMEDICAL SEGMENTATION WITH U-NET

Implementation of a U-net convolutional network to perform precise pixel-wise segmentation on biomedical images, covering everything from data preprocessing and augmentation through model training and evaluation.

Python, PyTorch, U-Net, OpenCV, Numpy

Certifications

2025

INTELIGENCIA ARTIFICIAL APLICADA A LA GESTIÓN DE PROCESOS

European Union

2024

BUILDING REAL-TIME VIDEO AI APPLICATIONS

NVIDIA

2024

ELEMENTS OF AI

University of Helsinki