

Jose María García Quijada

josemarigquijada.com | 634672598 | josemarigquijada@gmail.com | [LinkedIn Link](#)

PROFESIONAL SUMMARY

AI & Software Engineer specialized in Deep Learning, Computer Vision, and full-stack development. Experienced in building real-time AI systems and scalable web platforms. Passionate about applying AI to enhance user safety and accessibility.

WORK EXPERIENCE

MP Lifts

Seville, Spain

DEEP LEARNING AI ENGINEER

Feb 2024 - Jan 2025

- Developed 4+ AI models for computer vision to detect people, classify gender/age, and identify mobility aids from elevator surveillance cameras.
- Made strategic decisions on model architecture and preprocessing pipelines, resulting in a smart lift system capable of reliably identifying individuals with varying physical characteristics, thereby enhancing safety features for users with reduced mobility by 40%.
- Implemented rigorous testing protocols and data augmentation techniques that reduced model training time by 20%, ensuring timely deployment within project deadlines.
- Designed and optimized real-time detection and classification pipelines, reducing frame processing delays by 30%.

Eyas Gaming

Gibraltar, Gibraltar

FRONT END DEVELOPER

Jul 2023 - Nov 2023

- Developed and optimized responsive interfaces using React and TypeScript, resulting in a 20% improvement in page load speeds and a 15% decrease in bounce rates across websites.
- Engineered high-impact features for online casino and football betting platforms, enhancing user engagement metrics by 30% and supporting a 25% increase in active user base within six months.
- Accelerated onboarding process by contributing to production code three weeks ahead of schedule, reducing deployment cycle times and enabling faster rollout of new platform functionalities.

PROFESIONAL PROJECTS

GymEra9

Cádiz, Spain

WEB DESIGNER, DEVELOPER & AI ENGINEER

Jan 2025 - Oct 2025

- Engineered an innovative website platform that increased user engagement by 40%, enabling members to access real-time gym capacity data via an integrated AI-based people counting system, resulting in a 25% boost in membership inquiries.
- Developed and implemented a user-centric interface designed to showcase the latest news and activities, leading to a 35% rise in online traffic and a 20% increase in event participation from digital channels.

CarmenLands

Cádiz, Spain

WEB DESIGNER & DEVELOPER

Dec 2023 - Feb 2024

- Conceptualized and developed CarmenLands, a visually appealing e-commerce platform, resulting in a tenfold increase in product visibility and significantly enhancing artist exposure to potential buyers.
- Implemented an automated online purchasing system, streamlining transactions and reducing manual sales efforts by nearly 50%, which contributed to a 60% boost in overall sales performance.
- Collaborated with Carmen to design an engaging digital storefront, optimizing user experience and ensuring seamless navigation, directly leading to increased customer engagement and repeat visits.

DRM Wipes

Cádiz, Spain

WEB DESIGNER & DEVELOPER

Feb 2023 - Jun 2023

- Developed a comprehensive corporate website that increased brand visibility among multinational clients such as Marriott and Hilton Hotels, attracting over 10 high-profile corporate visits within the first three months.

- Designed and implemented a dedicated e-commerce section, facilitating seamless product purchases and enabling expansion into fitness-related brands, contributing to a 60% boost in sales.

Dietista Barrilado

Cádiz, Spain

WEB DESIGNER & DEVELOPER

Nov 2022 - Jan 2023

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

AI & RESEARCH PROJECTS

DietLog

Personal project

- AI-powered nutritional assistant that analyses natural language input and offers personalised recommendations using Gemini-based conversational intelligence.
- Full-stack architecture with React, TypeScript, Next.js, Firebase, and Tailwind.
- Experimental application deployed on Netlify with free resources to explore the design of scalable AI-based products.

AvIAry

Final degree project: 10 (Honours)

- Multiplatform bird identification application using Transformer architectures and convolutional networks.
- Comparative study on the impact of using pre-trained models on the accuracy and performance of neural networks applied to the field of ornithology.

Early detection of kidney disease

Master's project

- Comprehensive development of predictive models for chronic kidney disease (CKD) through the analysis of four versions of datasets.
- Evaluation of multiple algorithms (KNN, Decision Tree, Random Forest, Gradient Boosting, Logistic Regression, SVM, MLP) to determine the most accurate classifier.

BitHealth

Master's project

- Health analysis platform that identifies emotional states (stress, relaxation) from ECG signals using heart rate variability (HRV) characteristics.
- Models trained using data obtained with NeuroKit2 and PyTorch; deployment of a PWA with React and FastAPI offering real-time visualisation and REST API.

Biomedical segmentation with U-NET

Master's project

- Implementation of a U-Net CNN for accurate segmentation of biomedical images and delineation of complex anatomical structures.
- Complete pipeline of pre-processing, data augmentation, training and evaluation, ensuring robustness and reproducibility in heterogeneous datasets.

EDUCATION

University of Seville

Seville, Spain

Bachelor's Degree in Software Engineering

Master's Degree in Software Engineering (AI spec)

TECH SKILLS

- Python, TypeScript, JavaScript, SQL, NoSQL
- PyTorch, TensorFlow, Keras, scikit-learn, XGBoost, OpenCV, NumPy, Pandas, NeuroKit2, Transformers, U-Net, CNN, RNN, MLP, YOLO, OpenCV
- React, Next.js, Node.js, FastAPI, Flask, Tailwind CSS, HTML, CSS, REST APIs, PWA
- Git, GitHub, Docker, Linux, Bash, Jupyter, Virtual Environments, CI/CD
- Google Cloud, AWS (basic familiarity), Netlify, Firebase Hosting

CERTIFICATIONS

NVIDIA: Disaster Risk Monitoring Using Satellite Imagery

NVIDIA: Generative AI with Diffusion Models

UE: Artificial Intelligence Applied To Process Management

NVIDIA: Building Real-Time Video AI Applications

University of Helsinki : Elements of AI

LANGUAGES

Spanish - Native speaker

English - Professional working proficiency, capable of conducting technical meetings, writing documentation, and collaborating in international teams.