

Jorge González Conde

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Professional Summary

AI & Computer Vision Software Engineer with a proven track record of building production-grade AI systems and transforming prototypes into robust solutions. Extensive academic foundation in Machine Learning, Deep Learning, and Computer Vision through 30+ specialized certifications from Stanford, MIT, DeepLearning.AI, and leading universities. Hands-on experience developing AI-powered applications using PyTorch, TensorFlow, and modern ML frameworks, combined with strong software engineering skills in Python and clean code practices. Passionate about exploring emerging AI approaches and iterating quickly in uncertain environments. Comfortable working in international, agile teams with a collaborative mindset and commitment to knowledge sharing.

Technical Skills

AI & Computer Vision: PyTorch, TensorFlow, Keras, Computer Vision (detection, segmentation, classification), Deep Learning, Neural Networks, NLP, Hugging Face Transformers, LangChain, RAG, Vector Databases, Embeddings

Programming & Software Engineering: Python (professional), Git, Clean Code Practices, Modular Design, TDD, Object-Oriented Programming, APIs REST, FastAPI, Docker

Cloud & MLOps: AWS (S3, Lambda), Docker containerization, Model deployment workflows, Packaging and evaluation pipelines

Development Stack: TypeScript, JavaScript, React, Next.js, Node.js, Ruby on Rails, PostgreSQL, MongoDB, Redis

Data Science & Analytics: Statistics, Data Analysis, Probability, Mathematics for ML, matplotlib, Data Visualization

Methodologies: Agile, Scrum, Kanban, Iterative Development, Code Reviews, Pair Programming

Education

Computer Science, Mathematics & AI/ML Specializations | Online (Coursera, edX, MITx, Stanford, Udemy) | 2016–2021

- **30+ certifications** demonstrating intensive, continuous learning in AI and Computer Vision
- **Stanford:** Machine Learning (Prof. Andrew Ng)
- **DeepLearning.AI:** Deep Learning Specialization, TensorFlow Developer Specialization, NLP Specialization
- **MIT:** Machine Learning with Python, Probability, Fundamentals of Statistics

- **Specialized areas:** Computer Vision, AI for Medicine, Mathematics for Machine Learning, TensorFlow: Data and Deployment

- **Foundations:** Python, Java Programming, Data Structures, Algorithms

Full Stack Web Development Program | Microverse | Remote | 2022–Present

- 1300+ hours intensive training in software engineering best practices

- Focus on clean code, modular design, version control (Git/GitHub), TDD, and Agile methodologies

- Daily standups, pair programming, and code reviews in international teams

Industrial Electronic Engineering & Automation | Universidad de Vigo | Spain | 1998–2002

- Electronics, Robotics, Control Systems, Automation, Sensors, Actuators, PLCs, Microcontrollers

Professional Experience

Full Stack Python/AI Developer | Freelance | Remote | Sep 2022–Present

Building AI-Powered Applications from Prototype to Production

- **AI-Powered Multi-Agent Research System:** Architected and developed advanced multi-agent AI system for automated research tasks, implementing collaborative agent workflows with Docker containerization and PostgreSQL data persistence
- **AI Assistant Platform:** Built production-grade Python application integrating agentic AI capabilities with REST API consumption and automation workflows; developed custom REST endpoints integrated with OpenAI and Anthropic Claude APIs
- **Prototype-to-Production Evolution:** Transformed early-stage AI concepts into reliable, maintainable applications following clean code practices and modular design principles
- **Technical Evaluation:** Defined metrics and testing strategies to validate AI model performance and solution effectiveness across multiple projects
- **Modern Stack Development:** Developed full-stack applications using Python, FastAPI, TypeScript, React, Vite, combining classical approaches with deep learning techniques
- **Technologies:** Python, PyTorch, TensorFlow, LangChain, FastAPI, Docker, OpenAI/Anthropic APIs, PostgreSQL, MongoDB, Redis

Software Engineer | The Ticket Merchant | Remote | Oct 2023–Sep 2024

Collaborative Development in Agile Environment

- Developed internal web application using Next.js, Node.js, and SQL Server, following iterative development practices
- Participated in code reviews providing constructive feedback to ensure code quality and adherence to best practices
- Collaborated with cross-functional team members to design and implement new features in uncertain, evolving requirements
- Contributed to troubleshooting and resolving technical issues with systematic, experimental approach
- **Technologies:** Next.js, Node.js, SQL Server, Material UI, Git

Technical Mentor (Volunteer) | Microverse | Remote | Nov 2022–Present

Knowledge Sharing & Technical Excellence

- Mentor junior developers on software engineering best practices through technical code reviews and architecture guidance
- Lead teams of 3+ developers, improving project quality by 15% and achieving 50% increase in task completion
- Advise on maintaining motivation and momentum in complex full-stack projects
- Share knowledge on clean code practices, modular design, and iterative problem-solving approaches
- Received 100% positive feedback from mentored developers

Production Manager | MAI | Ourense, Spain | Jun 2002–Mar 2017

Process Optimization & Team Leadership

- Implemented Six Sigma methodologies to optimize workflows, achieving 25% productivity increase and 15% waste reduction
- Led team of 20+ employees with focus on continuous improvement, safety compliance (+30%), and quality standards
- Collaborated with cross-functional teams to coordinate production schedules and meet quality benchmarks
- Applied systematic, data-driven approach to problem-solving and process improvement

Key Projects

AI-Powered Multi-Agent Research System

Advanced multi-agent AI system implementing collaborative agent workflows for automated research tasks. Demonstrated ability to architect complex AI systems with proper containerization, data persistence, and production-grade infrastructure.

Technologies: Python, Docker, PostgreSQL, Multi-Agent AI, LangChain

Computer Vision & AI Learning Portfolio

Comprehensive hands-on implementation of Computer Vision tasks including object detection, image segmentation, and classification using PyTorch and TensorFlow. Explored classical CV techniques combined with deep learning approaches.

Technologies: PyTorch, TensorFlow, OpenCV, Python

littleShop - Resource Management Platform

Built responsive web application for small business management with clean, modular architecture.

Technologies: Vite, React, TypeScript | [Live Demo](#)

Sell It - E-commerce Platform

Full-featured e-commerce platform with product management, category navigation, and admin panel, demonstrating end-to-end development capabilities.

Technologies: Ruby on Rails, PostgreSQL, Redis | [Live Demo](#)

Certifications (Selected)

- **Deep Learning Specialization** – DeepLearning.AI (Coursera)
- **TensorFlow Developer Specialization** – DeepLearning.AI
- **Natural Language Processing Specialization** – DeepLearning.AI
- **Computer Vision** – Multiple platforms
- **AI for Medicine Specialization** – DeepLearning.AI
- **Machine Learning** – Stanford University (Andrew Ng)
- **Machine Learning with Python** – MITx
- **TensorFlow: Data and Deployment Specialization** – Coursera
- **Mathematics for Machine Learning Specialization** – Coursera
- **Probability & Statistics** – MITx
- **Google IT Automation with Python** – Google
- **Python, Git, AWS, MongoDB, REST APIs** – LinkedIn Skill Assessments (Passed)

Complete certification portfolio (30+ credentials) available upon request

Languages

- **Spanish:** Native
 - **English:** Professional working proficiency (comfortable in international environments)
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