Marco Mongi

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Summary

Results-driven Computer Vision and AI engineer with 4+ years delivering production-grade CV systems for aerospace and manufacturing. Led cross-functional teams, deploying edge pipelines and real-time dashboards. Proficient in Python, PyTorch, OpenCV, ETL, and cloud deployments; skilled at communicating complex concepts to non-technical stakeholders.

Work Experience

Ascentio Technologies   Río Cuarto, Argentina
Product Owner, Systems Engineer   2022 – 2025
- Led teams of up to 10; managed infrastructure and data processing for the **SABIA-Mar mission**.
- Launched AI division, enabling acquisition of CV and Industry 4.0 clients.
- Delivered end-to-end CV **production-control system** with detection/tracking, **edge computing**, **IoT**, and **dashboards**.

Ascentio Technologies   Río Cuarto, Argentina
Intern   2020 – 2020
- Built **crop-detection platform** in **Python**; 80% **accuracy** on **multi-spectral imagery**.

Faculty of Engineering, UNRC, Río Cuarto   Río Cuarto, Argentina
Intern   2018 – 2019
- Contributed to **accessibility project**; implemented **hearing-assist systems**.

Education

Stanford University Online   Online
ML Specialization   2025

Univ. of Córdoba / Mundos Córdoba   Córdoba, Argentina
Data Science Diploma   2024

UNRC   Río Cuarto, Argentina
Telecommunications Engineering, Radiocommunications   2013 – 2022
GPA 8.71

Courses and Certifications

2025 | EF SET English Certificate | EF SET | C2
2025 | Gen AI Intensive Course | Google/Kaggle
2024 | Intro to Statistics | Stanford

Skills

Technical Skills: Python, PyTorch, OpenCV, TF/Keras, ETL, Airflow, AWS, GCP, Docker, Kubernetes, MQTT
CV/AI: Object detection, tracking, segmentation, edge computing, time-series, GIS
Soft Skills: Leadership, Agile/Scrum, stakeholder communication

Languages

Spanish (Native)
English (C2)

Projects

- Real-time license plate detection
- Local AI chat platform with RAG

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