



JOAQUÍN ARIÑO GRAJERA

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WORK EXPERIENCE

Machine Learning Intern - Stellantis (Opel) | Zaragoza, Spain

Oct 2022 - Jul 2023

- Developed an OCR with over 98% accuracy, overseeing artificial vision systems
- Analysed AI-based systems in the production plant and evaluated new commercial solutions

PROJECTS

Master's Thesis - CNH | Bruges, Belgium

Jan 2024 - Sept 2024

Performance Metrics Using Computer Vision in the Threshing System of a Combine Harvester

- Developed computer vision models to optimize crop harvesting efficiency, including data preprocessing, labelling, training, and fine-tuning models using PyTorch and Python
- Models evaluated during real harvesting achieved over 95% accuracy

Bachelor's Thesis - Stellantis (Opel) | Zaragoza, Spain

Jan 2023 - Jul 2023

Low-Cost Embedded Vision System for Industrial Conformity Control

- Implemented a low-cost embedded system for quality control. Developed both software and hardware
- Installed and operational on the production line, checking over 700 cars/day, achieving more than 97% accuracy. Implemented using TensorFlow and Python

EDUCATION

Master of Artificial Intelligence in Business and Industry - KU Leuven | Bruges, Belgium

Sept 2023 - Sept 2024

Cum Laude

- Implemented an online store with computer vision, enabling product searches by characteristics with 91% accuracy
 - Developed the frontend and backend communication, deployed on AWS using Docker and GitHub Actions for automation
- Developed a computer vision system capable of identifying watch features with over 90% accuracy and predicting their price using a regression model
 - Extracted, pre-processed, labelled, and analysed 78,000 watches to train three separate computer vision models
- Key courses: Machine Learning, Computer Vision, Deep Learning, Business Analytics, Natural Language Processing, Generative AI

Erasmus Exchange (3rd Year of Degree) - Technological University Dublin | Dublin, Ireland

Sept 2021 - Jun 2022

Computer Engineering - University of Zaragoza | Zaragoza, Spain

Jun 2023

LANGUAGES

English: C1 Advanced - Cambridge English Advanced Certificate

French: B2 Delf - French Language Studies Certificate

SKILLS & INTEREST

Skills: Python, C++, TensorFlow, PyTorch, Cuda, Git, Docker, OpenCV, Conda, PIL, Numpy, Yolo, SQL, Linux, Microsoft Office, Power BI

Interests: Artificial Intelligence, App Development, Formula 1, Space Exploration, Sports, Reading

Other: Driving License B