Alvaro Yuste Valles

Process Engineer | AI & Big Data Specialist

Contact

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LinkedIn   GitHub

Skills

Big Data & AI:
Hadoop, PySpark, scikit-learn, TensorFlow, PyTorch, LLMs
Computer Vision:
OpenCV, Mediapipe, AI-powered vision systems, poka-yokes
Programming:
Python, Java, C++, SQL
Automation:
AGVs, AMR, SAP ERP/MES
Visualization:
Power BI, Tableau, AutoCAD
Soft Skills:
Leadership, Teamwork, Analytical Thinking

Certificates

Introduction to Computer Science – HarvardX (2024)
Introduction to Programming with Python – HarvardX (2024)
Process FMEA (AMFE) – Intertek (2022)
Methods Improvement and Time Measurement – Zadecon (2021)

Lenguages

Spanish   Native
English   B2 (First Certificate)

About me

My passion for technology motivates me to seek opportunities in innovative technological environments. I aspire to take on roles of greater responsibility. I am known for my proactive approach and possess strong interpersonal and teamwork skills. I enjoy continuous learning and big challenges.

Experience

Process Engineer

Signify *(Philips Lighting)* Mar.2023 - present

Led the **industrialization of ClearFlood G2, PUR gasket sealing**, and **battery packer systems**, enhancing production workflows. Developed and implemented **automation** and **digitalization** solutions, leveraging **AI-powered vision systems, Computer Vision**, and **LLMs** for poka-yokes and quality control. Designed logistics processes using **AGVs** and **AMR technology**, improving operational precision. Prepared technical documentation and trained staff for seamless technology adoption.

Project Launch Manager

ANTOLIN Dec.2022 - Mar.2023

Led the i**ndustrialization of the leather roof manufacturing process for the Mercedes G-Class**, ensuring high-quality standards and production efficiency

Process Engineer

ANTOLIN Jun.2021 - Dec.2022

Designed, programmed, and implemented material flows using **AGVs** and responsable of automatic cutting processes with **ZUND CNC machines.**

Education

Master's in Artificial Intelligence & Big Data

Universidad CEU San Pablo Sep.2024 - Ongoing

Master's in Logistics

Universidad de Valladolid Sep 2022 - Sep.2024
Awarded the Michelin Prize for Best Master's Thesis in Process Organization

Bachelor's in Industrial Electronics and Automation Engineering

Universidad de Valladolid Sep 2017 - Jun.2022