EMILIO JESÚS HERNÁNDEZ SALAS

Industrial Engineer

@ emiliohersal@gmail.com ☎ +34 630 02 99 22 in www.linkedin.com/in/emiliojhs

github.com/emichester 🌐 emichester.github.io

PROGRAMMING

Python · C++ · SQL · Spark · Keras · TensorFlow · Onnx · VBA · ROS 1/2 · Docker · Bash/Shell · Twincat 2/3 · MatLab · Simulink · LaTeX · VAL 3 · PBI · Arduino · Django · HTML · CSS · OpenModelica · Octave · Unity · C#

TO HIGHLIGHT

Electronics · Real Time · Computer Vision · AI · Control · Big Data · Agile · Scrum · Business Intelligence · AWS · Microservices

SKILLS

Self-learning · Broad-minded · Teamwork · Communication · Innovative · Leadership · Attention to detail · Strategic · Proactiveness

LANGUAGES

Spanish: Native

English: Proficient user (B2/C1)

French: Speaking

ADDITIONAL

Driving licence: B

ABOUT ME

I am an engineer with a passion for the world of robotics, automation, computer vision, AI, Big Data and all the new technologies that are emerging, with which we are able to go further and further. I enjoy teamwork and I always try hard to get the best results at work.

WORK EXPERIENCE

Vision Systems Engineer | CHEP

📅 May 2023 – present 📍 Madrid, España

- Development of state-of-the-art CV + ML software. Worldwide support with all Vision Systems. Predictive maintenance on CV Systems. Some important projects CV/ML: ADI-Klippa measuring unit, supported FAITH and Debris ML projects, debris detection with ISPM images, AutoCalibration for ADI, ADI Monitoring, PLC Transaction Manager. [C++/Python/TF/PyTorch/Onnx/PBI/SQL/pylogix]

Assistant - Risk Advisory | Deloitte

📅 Jan 2022 – May 2023 📍 Madrid, España

- Data Scientist, Data Analyst, Data Engineer and Business Analyst in the Data Governance/Exploitation app of SCIB Global. Senior Consultant, project of Santander (VBA/Excel advanced analytics)

Systems Automation and Control Engineer | Alderan Control & Sistemas S.L.

📅 2021 – 2022 📍 Madrid, España

- Control Engineer (PLCs, SCADAs). Python - PLC - REST API communication bridges. Control cabinets manufacturing. Re-disign of electrical control installation. R&D tasks obtaining savings for out clients and state-of-the-art solutions

Robotics, Computer Vision and Systems Automation | School of Industrial Engineering, University of Málaga

📅 2020 – 2021 📍 Málaga, España

- European Space Agency (ESA) project. R&D on systems engineering and automation, robotics, computer vision and ML. System for detection/localisation of a sample tube on the environment of Mars. PoC of the "Mars Sample Return" mission. Results in github web

EDUCATION AND TRAINING

Master's Degree in Artificial Intelligence | VIU - Universidad Internacional de Valencia

📅 2023 – 2024

- TFM: Crack detection in industrial timber boards using AI algorithms

Graduated in Industrial Technologies Engineering | School of Industrial Engineering, University of Málaga

📅 2016 – 2020 📍 Málaga, España

- TFG: Identification of samples in images through Deep Learning for planetary exploration