

EMILIO JESÚS HERNÁNDEZ SALAS

Industrial Engineer

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github.com/emichester

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PROGRAMMING

Python

C++

SQL

Spark

Keras

TensorFlow

VB

ROS

ROS2

Docker

Bash/Shell

Twincat 2/3

MatLab

Simulink

R

LaTeX

VAL 3

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

Assistant - Risk Advisory | Deloitte

Jan 2022 – present

Madrid, España

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

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

2021 – 2022

Madrid, España

- Automation of industrial processes and programming of SCADAs
- Information management through databases / SQL server assembly and field communication / SQL↔JSON communication bridge
- Manufacture of control cabinets / Re-dimensioning of electrical control installation
- Successful R&D tasks for improvement in the budget offered to the client

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

2020 – 2021

Málaga, España

- Collaborative project with the European Space Agency (ESA)
- Research and development using: systems engineering and automation, robotics, computer vision and artificial intelligence to design the control of embedded systems for future missions. Creation of a system for detection/localisation of a specific object on the environment (simulation and finally integration in ExoTeR rover)
- Work was carried out in particular for the PoC of the “Mars Sample Return” mission. Results in my github web

EDUCATION AND TRAINING

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

Higher Technician in Administration and Finance (LOE) | IES Mar de Alborán, Estepona, Málaga

2014 – 2016

Estepona, Málaga