EMILIO JESÚS HERNÁNDEZ SALAS

Industrial Engineer

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PROGRAMMING

Python | C++ | SQL | Spark | 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