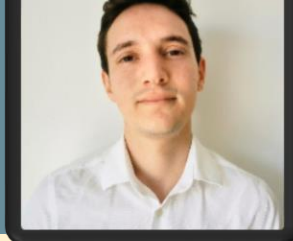


Juan Miguel Sequeira

Mechanical Engineer, Specialized in Automation & Robotics

Cell phone: +34 655 401 895 Email: juanmiguelsequeirad@gmail.com Spain



EXPERIENCE

11/21-
Present

TECHNICAL DEPARTMENT DIRECTOR EQUIPAMENT'S DIMATEC

- Plan projects, people, development, business, applications, clients, providers.
- Mercedes Benz** line with 3 machines prepared to install glasses on cars. 20+ people team
- Opel and PSA** multiple projects for gluing equipment as technical leader, programmer & project manager. 90+ team

ACHIEVEMENTS

2017-2021

ROBOTICS DEPARTMENT DIRECTOR. EYPSCAP

- Developer from R&D&I department for pharmacy, robot programming, applications for machines, integrations, artificial vision systems, PLC programming and elements integrations
- Automatic blister cutting machine** with Fanuc Robot + Artificial Vision from Halcon & full pneumatics, mechanics and electrical design.
 - Fully automatic medicine boxes dispenser** for pharmacies. Using Arduino+360servos/module. Electric actuators + ABB + Integrated Vision from COGNEX. 4-6 team.
 - Fanuc ROS kinetic**, 6 robotic arm simulation with real CAD environment.
 - KUKA, Gazebo controller and visualized on ROS.
 - RobotStudio for ABB robots programming & simulation.

ACHIEVEMENTS

2016

DESIGN TEAM UPM-MADRID

- Designer in the university based robotics team.
- Semi-autonomous robot** for digital agriculture.
 - Control interface for robotic arms** from 2 to 9 axes. Using Arduino and Raspberry to manage sensors, servos.
 - Quadcopter** simulation on ROS for path finder.
 - LEGO EV3 mindstorm**, software to control position, following paths, ROS visualized with matlab interface.

ACHIEVEMENTS

2012-2014

GOLDPACK SA.

Design team, focus on mechanics.

- Designer engineer and quality control.
- Design and construction of production line machines (fillers, packaging machines, labeling machines, PLC).

ACHIEVEMENTS

2012

ALIMENTOS MULCOVEN UNIVERSITY INTERNSHIP

- Design, construction and start-up using various controllers for a cheese processing machine.
- Cheese finger **automatic cutting machine**

ACHIEVEMENTS

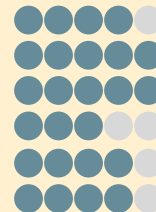
SOFTWARE

[CADs]=SolidWorks, Inventor, Catia, Autocad [100%].
[Programming]= Matlab, Visual Studio, PLC, Logo!, LinMot, Halcon, WebServices
[PLC]=Automation studio, Simatic, Somachine, Siemens, Scada, Omron, Schneider.
[Simulation]=Matlab, LabView, SolidWorks, Inventor.
[Lenguajes]=c#, c++, .m, html, HDEV, gcode (3D printing), KAREL. Arduino.
[ROBOT]= FANUC, ABB, KUKA, ROS1 and ROS2.

SKILLS

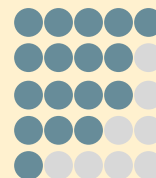
PROFESSIONAL

- Programming
- Design
- Mechanics
- Team work
- Leadership
- Initiative and innovation



LANGUAGES

- Spanish (native)
- English (C1)
- Portuguese (C1)
- French (B2)
- German (A12)



EDUCATION

EXECUTIVE MBA

EAE Spain [2020-2021]

AUTOMATICS Y ROBOTICS MASTER'S DEGREE

UPM Spain [2016-2017]

MECHANICS ENGINEERING MASTER'S DEGREE

STUDENT EXCHANGE

IST Technical University of Lisbon, Portugal

BS MECHANICAL ENGINEER

USB Venezuela [2008-2013] Best 15.

CONFERENCES

- Cushioning for cars [2006]
- 7th and 8th Management in automotive technology [2009 and 2012]
- 5th Business Management [2010]
- RESET [2020]. Speaker of robotics as one of the 25 professions of the future

CERTIFICATES

- DELF(B2)
- TOEIC(940/990).

INTERESTS

Cars, engines, robots, sustainable development, home automation.
Arduino and Raspberry implementation regarding price, worldwide users, opensource technologies, quick adaptation, innumerable quantity of sensors to use. Autonomous robotics. Cobots.