MARC A. GALUSI COLOMAR

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PROFESSIONAL EXPERIENCE

MARINA MARBELLA IBIZA S.A.   **Ibiza, Spain**
Digitalization & process innovation   **Jan 2024 – Present**

- Implementation of cloud solutions and automatic generation of documentation. Study and definition of business processes to implement an ERP system and centralize administration.
- Introduction of Industry 4.0 technologies such as additive manufacturing or artificial intelligence.

JOIINT LAB   **Kilometro Rosso, Bergamo, Italy**
Robotics engineer   **Feb 2021 – Nov 2022**

- R&D and implementation of Smart Programming solutions, based on single demonstration and image recognition, which eliminate the time required to program a robot to perform a previously taught task.
- Development of enabling technologies from TRL 4 to TRL 6/7 and study of implementation in production environments.
- Creation of modular ROS libraries for robotic systems such as cobots, grippers and depth sensors and their Digital Twins, enabling the reconfiguration of workspaces without the need for reprogramming.

GIOVENZANA INTERNATIONAL B.V.   **Lecco / Bergamo, Italy**
Mechanical Design Engineer / Digitalization   **Apr 2019 – Nov 2022**

- R&D&I of safety and control products for automation, lift and elevator systems, as well as internal and production processes, optimizing and applying innovative solutions based on Lean methodologies.
- Developed an intuitive application for automatic generation of CAD drawings and assemblies for product configurations of existing components, reducing the execution time of each project by up to 60%.
- Led the transition to paperless management, implementing a parameterized PDM system, improving the search and secure exchange of technical documentation (+ 60,000 digital files).

GRUP SOLER - SOLER GLOBAL SERVICE S.L.   **Barcelona / Ibiza, Spain**
Assistant to Head of Service - University Internship   **May 2018 – Sep 2018**

- Drafting of maintenance reports for UPS, Generator Sets, Fire Protection and Low Voltage.
- Conducted a comprehensive study of air conditioning in a police station of Mossos d'Esquadra, analyzing equipment and critical thermal load points, optimizing consumption by up to 40% in certain areas and improving thermal comfort.
- Carried out a 30-year Replacement Plan for the Can Misses hospital, budgeting and detailing the life cycle of each equipment, drastically reducing preventive maintenance planning times.

EDUCATION

UNIVERSITAT POLITÈCNICA DE CATALUNYA (EEBE)   **Barcelona, Spain**
Mechanical Engineering   **Sep 2014 – Feb 2019**

- End-of-degree project carried out in conjunction with the Pasqual Maragall Foundation: *Development of a Virtual Reality Application for the Prevention of Alzheimer's Disease.* [1] [2]

PROJECTS

MUNCHIES JUKEBOX   www.munchiesjukebox.com
Cofounder   **Feb 2023 – Present**

- Creation of a brand for the sale of sounds and plugins for music production, implementation and design of an e-commerce website, definition and realization of an attractive aesthetic for the target audience.

ADDITIONAL

Technical skills: Advanced CAD and 3D rendering software (CREO/Windchill, Fusion 360, SolidWorks, Blender), 3D printing (Cura), Intermediate programming skills (C++, Python, MATLAB, JavaScript), ROS, Gazebo, GitHub, web design (HTML and CSS).
Languages: Spanish and Catalan as mother languages, English and Italian advanced level.
Licenses: European Driving License B, Recreational Boats Skipper (PER).