



Júlia Marsal P.

Robotics Engineer

- ✉ Andorra la Vella, Andorra
- ☎ +376 345268
- 🌐 LinkedIn Portfolio
- @ julia.marsal.robotics@gmail.com

About Me

Julia is an Industrial Engineer specialized in Automatics and Robotics. Since she was 16, Julia has been working in different areas of robotics, where she has been acquiring mechanical, electronics and programming skills. First, as a robotics teacher, giving classes to children and teenagers about robots and micro controllers. Next, she gave a step forward with its acknowledgement of robotics, working in investigation centers and companies as a technical laboratory assistant and an R+I engineer so as to make different important projects with robots and learning new robotics programming, and its frameworks and tools.

Aptitudes

Rust - Python - CI

C - C++ - LINUX

ROS2 - GZ SIM

I2C - UART - SPI - Ethercat

GIT - APIS INTEGRATION

OPENCV-YOLO-SENSORS INTEGRATION

Education

- Jan21 - Sep19 Master in Robotics UVIC | Eurecat
- Sept16 - Jan19 Master's degree in Industrial Engineering ETSEIB
- 2011 - 16 Student Bachelor's degree in Industrial Technology Engineering ETSEIB

Projects

- July20 - Jan21 Robotics Final Master Thesis Robotics Master
The aim of this project is endowing a robot with an own intelligence to work with a person in a collaborative way in the process of making a coffee. [Link]
- Feb20 - May20 Aerial Robots Robotics Master
This is the final project of the subject Aerial Robotics from the Robotics Master's Degree in Robotics. It consists of an implementation of a drone controller, a global and local planner, a state estimation using aruco tags and mission application development. [Link]
- Nov19 - Feb20 Ground Robotics Subject Final Project Robotics Master
This is the final project of the subject Ground Robots from the Robotics Master's Degree in Robotics. It consists of an implementation of SLAM (move_base) in order to endow the robot with an autonomous movement, explore package in order to let the robot to explore the environment, meanwhile creates a map. [Link]
- Sept - Feb16 DarwingOP robot - Final Bachelor's Project IRI-UPC
This project was made in IRI (Institute of Industrial Robotics), with C++ language and using ROS framework so as to create environmental interactions algorithms with a USB cam and tags. [Link]

Experience

- Jan24 - Now Robotics Consultant DTE | IAAC | Ekumen
Working as Senior Robotics Engineer, developing and maintaining software for robotics applications using ROS and ROS2. Integrate systems with hardware including lasers, cameras, sensors, PLCs, and third-party platforms. Implement CI pipelines and collaborate in an Agile environment with software, QA, and DevOps teams
- Jul22 - Nov 23 Robotics Software Engineer Near Space Labs
Working as a Robotics Software Engineer, researching and implementing new robotics applications and functionalities for aerospace imaging capturing. CI of the robots, testing and flight data analysis.
- Mar20 - Jun22 Robotics Engineer Submer
Working as a Robotics Engineer, researching and implementing new robotics applications and functionalities for the datacenters of the future.
- Oct16 - Jun17 Technical research assistant ETSEIB-IOC
Establish the connection between YUMI ABB robot and a computer in order to send and receive information from the robot with the framework ROS and the YUMI's tasks based on rapid code

LANGUAGES

- 2014 English(C1) Si idiomes
- 2011 Spanish Native