Marc Fabregat Jaén

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mfabregat.github.io

Experience

Engineering Research Institute of Elche (I3E)

Predoctoral Researcher   Fall 2022 – Summer 2025

Miguel Hernández University (UMH)

Teaching Assistant   Fall 2022 – Summer 2025
- Computer Vision
- Control Systems
- Systems Theory

Miguel Hernández University (UMH)

Intern, ARVC research group   Fall 2020 – Summer 2022

Education

Miguel Hernández University (UMH)

Ph.D. in Biped Redundant Robots   Fall 2022 – Summer 2025
Advisors: Adrián Peidró, Óscar Reinoso

Politecnico di Milano

Visiting Ph.D. Student   Fall 2023
Host: Paolo Rocco

Miguel Hernández University (UMH)

MSc in Robotics   Fall 2021 – Summer 2022
BSc in Electronics and Automation   Fall 2016 – Summer 2021

Czech Technical University in Prague (CVUT)

Visiting BSc student   Fall 2018 – Summer 2019

Research

Research interests:

Path planning of mobile robots:
Climbing robots, legged, on wheels…
Local and global redundancy resolution
Computer Vision: Detection, Segmentation, Classification…
Artificial Intelligence: DNNs, RNNs, Transformers, LLMs…

Publications:

Selection: mfabregat.github.io
Full list: arvc.umh.es/personal/marc/index.php?&dest=publi

Awards

Jornadas de Automática 2024 – Best Paper Finalist
Jornadas Nacionales de Robótica 2023 – Best Paper Honorable Mention
Spanish Government FPI Fellowship, 2022
First Class Honours on MSc final project
ValgrAI Scholarship, 2021
First Class Honours on BSc final project