



# MARIO SÁNCHEZ

## Mechanical Engineer

### Portfolio

<https://mriosanchez.github.io>

### About me

Passionate about creating things from scratch and learning along the way. I've achieved strong academic results while gaining diverse experience as a waiter, tutor, volunteer, and lifeguard. These roles have enhanced my **adaptability**, **communication**, and **stress management** skills across various environments.

### Education

#### Bachelor's Degree in Mechanical Engineering 2020-2024

University Miguel Hernandez **UMH** & University La laguna **ULL**.

Graduated with the **Best Academic Record** of the program.

- Two-time winner of the UMH **Bridge Competition**.
- **Final thesis:** Analytical Modeling of HVAC System Based on the
- Hybridization of Heat Pump and the **Maisotsenko Cycle**.

#### DISCOVER Master in Management & Data Analysis 2025-2026

University Camilo José Cela **UCJC** & Fundación Universidad-Empresa **FUE**

### Experience

#### Trainee Maintenance Engineer - ODC01 Airbus 2025-2026

Analyzed demoulding process data to reduce cycle time and breakdowns.

Developed predictive model to anticipate failures in Flow trimming tool actuators.

Delivered technical specifications and ensured alignment with external suppliers.

Automated document workflows and managed the team's intranet content.

#### Trainee Maintenance Engineer - UTE Netial 02-05/2024

Designed the comprehensive maintenance plan for the municipal street-cleaning fleet of Alicante.

**Other roles: Waiter, Private Tutor, Lifeguard**

### Beyond Work

Passionate about body control and adventure sports like calisthenics, climbing, surfing, snowboarding, and diving. I'm also interested in nutrition and the fitness lifestyle. I enjoy crafting things by hand. In my free time, you'll find me watching science videos, reading books, or getting lost in anime.

### Contact

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🌐 [LinkedIn](#)

### Languages

Spanish: Native

English: C1

Valencian: C1 - JQCV (2024)

### Competences

Python	(3/5)	AI	(4/5)
Matlab	(2/5)	Office 365	(4/5)
EES	(3/5)	Inventor	(4/5)
Simulink	(2/5)	AutoCAD	(5/5)
Cura	(2/5)	Solidworks	(3/5)

### Volunteering

#### Step by Step. Turkey, 12/2024-1/2025

**ESC** teaching English at university through non-formal education.

#### Towards Christmas. Finland, 11-12/2024

**ESC** Organizing & decorating christmas events for families and elderly people.

#### Youth Exchanges, 09-10/2024

Touching Grass (Romania), Ethics in AI (Slovenia), Agents of Change (Romania)

### Soft skills

Time management	Assertivity
Conflict resolution	Leadership
Team spirit	Proactivity

### Others

#### Driving license B

Lifeguard license