

# Luis José Mora Díaz

## COMMUNICATIONS AND ELECTRONICS ENGINEER

Fresh out of college with experience in developing innovative projects, notable for creating a buoy for water quality monitoring, recognized with a scholarship from the FGS Foundation. Intern at Micla Engineering & Design in Turin, Italy, where I enhanced my skills in design and applied technology.

## WORK EXPERIENCE

### MICLA Engineering & Design (Internship)

Electronic Design

April 2024 – June 2024

- Developed the electronic system design for a CAN-LIN automotive-grade gateway for 12V and 24V batteries.
- Performing ISO standard test simulations to ensure safety and reliability.
- Development of the final prototype PCB, along with the project BOM.

### IDIT – BONASA

Electronic Design

February 2023 – October 2023

- Design and Development of an IoT control device for residential water pumps with Bonasa and IDIT.
- Key Responsibilities: Embedded C programming, sensor calibration, PCB design, enclosure manufacturing, and Google Firebase management. [Link](#)

## EDUCATION

### Universidad Iberoamericana Puebla

Communications and Electronics Engineering Degree

Fall 2019 – Summer 2024

- Awarded first prize in the FGS Scholarship 2023 for my project "Development of a Water Monitoring System Prototype." [Link](#)
- I presented my research project "Development of a Water Monitoring System Prototype" at IEEE ICEV 2023, and it was later published in IEEE Xplore. [Link](#)
- Member of the IEEE Ibero Puebla Student Branch as Vice President (2023)
- Exchange Program at University of Antwerp, Belgium (September 2022 – February 2023).
- Student Council Member representative for Communications and Electronics Engineering (2022–2024) [Link](#)

## CONTACT



(+52) 221 401 9320



ljmora.13@gmail.com



<https://luisjosemora.github.io>

## SOFT SKILLS

- Self-Learning
- Troubleshooting
- Assertive Communication
- Teamwork
- Leadership
- Resilient

## TECHNICAL SKILLS

- Electronics Design
- Fast Prototyping
- Power Electronics
- Embedded Programming
- Wireless Communications
- Software Development
- 3D Modeling

## LANGUAGES

- Spanish Native Speaker
- English B2

## INTERESTS

- Industrial Development
- Maritime Industry
- Tech Innovation
- Microelectronics