Luis José Mora Díaz

Communications and Electronics Engineer

Personal Web Site

Contact

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luisjosemora

Soft Skills

- Self-learning
- Assertive Communication
- Leadership
- Teamwork
- Resilient

Technical Skills

Altium Designer	Verilog	HTML
SolidWorks	VHDL	CSS
OptiSystem	Python	PHP
Manufactura	C/C++	JavaScript
Power Electronics	FPGA	MySQL

ENGLISH TOEFL 557 pts. (2022)

Interests

Industrial Automation
Microelectronics
Digital Systems
Internet of Things (IOT)
Computer networks

I have outstanding skills in self-learning, leadership and problem solving. Throughout my academic career, I have demonstrated the ability to develop innovative solutions that embrace diverse areas aligned with my knowledge. My adaptability has allowed me to integrate easily in a variety of environments, this is a quality I developed during an internship in Italy. I stand out for going beyond my current training, acquiring new skills in fields related to my career.

Work Experience

MICLA Engineering & Design

Electronic Design
April 2024 – July 2024 Intership Torino, Italy

During this internship I was in charge of developing the electronic system design of an automotive gateway project with the purpose of exchanging and monitoring ECU messages between CANFD, CAN2.0B and LIN protocols. In addition, other features of the system are the generation of PWMs signals for three-phase motors starting, analogue signals reading, storage and wireless transmission of information. ***Skills: Digital Design, ISO 16750-2, ISO 7637-2, PIC32, Kicad, Spice, product developing.***

Education

Universidad Iberoamericana Puebla

Communications and Electronics Engineering Degree
Fall 2019 – Summer 2024 Scholarship 25% Puebla, Mexico

- First prize and winner of an FGS Scholarship 2023 for my project entitled "*Development of a Water Monitoring System Prototype*" Link ***Skills: Research (Water Quality), Internet of Things.***
- Member of the IEEE Ibero Puebla Student Branch as Vice President (2023)
- I was an active participant in the international HackSTEM 2023 Hackathon, serving on a multidisciplinary team. For two days, we collaborated to develop a tool with the purpose of fostering environmental education and the STEM movement in children in New Delhi, specifically in the 5-12 age range. Link ***Skills: Power Electronics, Renewable Energies.***
- I worked with the company Bonasa and the Institute of Design and Technological Innovation of the Universidad Iberoamericana Puebla in the design and implementation of an IoT control device for water pumps. Link ***Skills: Digital Design, ESP32, Sensor Calibration, SMD PCB Developing, Cloud Databases, Power Electronics, 3D Design and Printing.***
- I did the presentation of my research project "Development of a Water Monitoring System Prototype" at the IEEE International Engineering Conference in Veracruz 2023 (IEEE ICEV 2023). Subsequently, this work was published in the IEEE Xplore database. Link
- Member of the Student Council as the representative of the communications and electronics engineering career (2022 - 2023 and 2023 - 2024) Link
- Exchange Program at University of Antwerp, Belgium (September 2022 – February 2023).
- Member of the Technical Council of the University as the representative of the communications and electronics engineering career (2022 - 2023).