

Lenora Pondigo

Enthusiast of emerging technologies.

Education

Robotics and Telecommunications Engineering
Universidad de las Américas Puebla (UDLAP) | 2023 Graduated.

Affiliations and honors

Third place in the Eleventh Edition of the Business Ideas Contest
2020

Chairman of the Board of Robotics and Telecommunications
Engineering (2020-2021) | UDLAP Student Council

Professional Experience

Development of a remote laboratory for the
characterization of semiconductor devices with Typescript
and Python. And deploy on a local Windows Server | National
Institute of Astrophysics, Optics and
Electronics (2023).

Development of a system for inventory management with
Typescript, Javascript, Node.js and Python. And deploy on a
Linux VM on Azure | Accutech
(2022-2023)

Languages

Spanish (Native)

English (Intermediate | B2)

Soft skills

Organization and planning.

Multidisciplinarity.

Autonomy.

Ease of learning.

Technical skills

▪ CI/CD:

Experience using GitHub Actions
for CI/CD workflows, including
building, and checking in Docker
images.

▪ Python:

Extensive experience for the
control of programmable
instruments through serial
communication. Knowledge to
graph data with Matplotlib and
mathematical calculations with
NumPy. Knowledge in the creation
of APIs using FastAPI. And
proficiency in scripting.

▪ Node.js:

Experience in the development of
web applications and APIs using
javascript. Domain of Express.js as
a framework for the creation of
APIs.

▪ Azure:

Experience deploying and managing
virtual machines (VMs). As well as in
development and deployment of
Azure Functions to create and run
serverless code.

Contact



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Pondigo

More technical skills

- Typescript: Typescript domain for more robust and scalable code development in JavaScript projects.
- MATLAB and Simulink: Algebra programming, calculus, signal processing, data analysis, kinematic analysis, and simulation of communications systems.
- Github: Experience in using GitHub Actions for workflow automation in software development, including creating pipelines for Docker image registration.
- GIT: Experience in using GIT for version control, repository management on Github.
- Microcontrollers: Experience in programming microcontrollers using compilers such as CCS compiler and MPLAB. Mastery of languages such as C for the development of embedded applications.
- Docker and Docker Compose: Extensive experience in using Docker and Docker Compose for building, managing, and deploying containerized applications.
- Administration of Linux and Windows servers.
- MongoDB: Experience in using MongoDB as a NoSQL database to store and manage data from APIs, web applications and IoT.
- CAD Software: Experience in using Catia V5 and SolidWorks for design and modeling. Advanced knowledge in the creation of technical drawings, finite element analysis and simulation of movements.
- Microsoft Office: Domain of the Microsoft Office suite. Ease of automating processes in Excel and Word using VBA macros.
- FluidSIM: Experience in the design and simulation of hydraulic piston systems using FluidSIM.
- SIEMENS PLC: Programming of control systems using SIEMENS PLC, with TIA Portal.
- IoT: Development of IoT solutions with ESP32 with processing in Azure.
- Instrumentation control: Experience in the control of oscilloscopes, SMU, function generator, power supply, among others.
- Design and validation of circuits: Experience in the design and validation of electronic circuits. Proficiency in schematic design, simulation and operation verification using tools such as NI Multisim.
- Network configuration: Experience in configuring and managing networks, with network devices such as Extreme Networks and Cisco.

About me

I am Lenora Pondigo Santamaría, recently graduated in Robotics and Telecommunications from the Universidad de las Américas Puebla. I am passionate about the world of technology, and I consider myself a self-taught person, always looking for opportunities to learn and grow. I love immersing myself in new challenges and acquiring knowledge independently. My focus on self-discipline and curiosity has allowed me to acquire skills and knowledge beyond my academic background. I am excited to apply my skills and knowledge in a professional environment and am open to relocation for exciting opportunities anywhere in the world.