

# Contact:

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# Language Proficiency:

Native Spanish  
Intermediate English

- Reading 90%
- Writing 90%
- Listening 60%
- Speaking 60%

# Conocimientos.

Programación  
Electrónica  
Telecomunicaciones

# Galería

[Enlace](#)

# Certificaciones

[Enlace](#)



## José Rosendo Soto Reza

### Ingeniero mecatrónico

Mechatronic engineer with knowledge of programming, electronics, major specialization in multiplatform application development.

### Robert Bosch

Job title:	Application developer technician
Learning:	Web applications deployment and development
Start date:	June 2022
End date:	Present

### Tecnológico Nacional de México Campus Cd.Juárez

Title:	Student
Learning:	Electronics, mechanics, control, programming
Start date:	August 2018
End date:	December 2022

### Nodo de creatividad, innovación y emprendimiento de cd. Juárez

Title:	Intern
Learning:	Internet of Things (IoT) technologies and Web development.
Start date:	February 2019
End date:	June 2022

### Centro de Bachillerato Tecnológico e Industrial No.128

Title:	Student
Learning:	Electronics
Start date:	August 2015
End date:	June 2018

### **Investigation: How Does Industrial Internet of Things (IIoT) Work?**

Research and development of a general scheme summarizing the operation of the Industrial Internet of Things (IIoT).

[Link](#)

### **Node-Red course**

Course about software for Internet of things concept, visual programming using nodes and machine interconnectivity.

[Link](#)

### **Recreational Software Development Project**

Software for programming melodies and/or choruses using the Tone.js library in JavaScript.

[Link](#)

### **PlcNode**

Design and development of an industrial module similar to a programmable logic controller.

[Link](#)

### **Implementation of Welding Machine Connectivity.**

Implementation of IoT connectivity to a spot-welding machine, controllable from a web interface.

[Link](#)

## Programming

- Synchronous Programming
- Asynchronous Programming
- Object-Oriented Programming
- Modular and Structured Programming

- Arduino C++
- JavaScript (Browser)
- JavaScript (Server) with Node.js
- TypeScript
- HTML
- CSS
- Python
- Micropython

- Git, Github, and Bitbucket
- Docker, Docker Hub, Mirantis

## Communications

- TCP/IP Protocol
- MQTT Protocol
- HTTP Protocol

- JSON Format
- CSV Format

## Microsoft Software

- Word
- Excel
- PowerPoint

## Embedded Systems

- Pic 16f886 Starter Kit
- ESP32
- Arduino
- STM32

## Microcomputers

- Raspberry Pi 3b+
- Raspberry Pi 4
- Beaglebone Black
- Orange Pi

## Operating Systems

- Windows 7, 8, 10, and 11 (Windows Command Prompt, PowerShell, and WSL)
- Orange Pi OS
- Raspbian
- RHEL 7 servers (Bash commands, use of apt, dnf, and basic command)

