DAVID LÓPEZ

TECHNICAL SUPPORT | MECHATRONICS ENGINEERING | IOT DEVELOPMENT

CONTACT

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PROFILE

I'm always looking for new knowledge and experiences. I have a special interest in technological advances, and where they are leading us. Nowadays I'm looking forward to a career shift towards a Tech-Development or Tech-Support oriented job.

EDUCATION

2020 - UNITEC [SPS, HONDURAS]

Bachelor's Degree in Mechatronics Engineering

TECHNICAL SKILLS

- Bilingual (Spanish/English)
- C++, Python
- HTML, CSS
- Command Line Interface (Windows, Linux, Git)
- Remote Desktop
- Ladder and Block diagram programming for PLC automation
- 3D CAD Design
- IoT on the Edge(Azure Iot Hub, Nvidia Deepstream)

SOFT SKILLS

- Learning and Personal Development
- Analysis and Problem Solving
- Teamwork and Communication

EXPERIENCE

October 2022-January 2023(Temporal Contract)

IoT Engineer | Beneficio Rio Frio - Honduras

Assisted in the integration of prototyped **IoT solutions** which consisted on the use of sensors and edge devices connected to Azure IoT, to gather and process useful data for later insights. Some of these solutions included:

- RFID Card Reader for employee in and out checkout, which improved the efficiency of employee attendance monitoring.
- Temperature sensors for the air dryer kiln, for its further monitoring and visualization.
- Nvidia Deepstream Python prototype app on Jetson Nano for people detection on weighing machine.

February 2022-June 2022(Temporal Contract)

Technical Support Engineer | Innovate Biz Solutions - Remote/Hybrid

Assisted in the integration and troubleshooting of a chat plugin (WP Guppy), a video chat app (Video SDK), and the android mobile app for DoctorYa's web application(**doctoryaconsulta.com**). I also attended to any of our client's queries on the technical issues/configurations related to the use and operation of the platform.

January. 2020-March 2020(Internship Contract)

Industrial Maintenance Engineer | Polyshel - Mexico

Contributed doing corrective and preventive maintenance on the mechanical, electrical, infrastructural, and control systems of Polyshel. The main activities included:

- Preventive and corrective maintenance to all the related parts and mechanisms of the PVC extruders.
- Correction and replacement of temperature sensors, contactors, motor protectors, bearings, and pressure valves in bad condition.

June 2017– December 2019(Educational Contract)

3D Printing and Physics Instructor | UNITEC - Honduras

Was in charge of the Physics and 3D Printing labs at the Unitec SPS campus. I managed the guidelines for the other instructors on how they had to teach their labs, how to manage the content being taught, their student's grading, and the respective materials and equipment. I also taught in some labs myself.