FROYLAN
RENDÓN

TGO. AUTOMATIC CONTROL AND INSTRUMENTATION

PROFILE

Automation Control Technologist with 1 year of experience in mechanical design and maintenance. Specialized in implementing improvements and automation, proficient in Python, Arduino, C, and exploring Artificial Intelligence. Extensive expertise in PLC programming and 3D design using SolidWorks. Proven track record of reducing non-productive time by 20% in production through IoT. Seeking a challenging role to apply and expand my skills in industrial automation and innovation.

CONTACT

- 3326374584
- froyrr@gmail.com

SKILLS

- Python, C, Arduino, JavaScript
- PLC
- Hydraulics and Pneumatics
- Machine Learning
- Industrial Instrumentation

LANGUAGES

- Spanish (Native)
- English (Conversational)

WORK EXPERIENCE

2021 / 2022

Mechanical Designer
AURAL.

- I designed and implemented improvements in prototypes, automating manual processes and enhancing production efficiency.
- I collaborated with a team of 2 engineers in designing and creating a new prototype for a client, ensuring compliance with requirements and specifications

2024 / NOW

Maintenance Technician
EXCALA.

- I implemented an IoT project using Arduino, successfully reducing unproductive times by 25%.
- I developed an initial prototype to monitor real-time production online, enhancing visibility and responsiveness of the production team.

EDUCATION

2022 TGO. Automatic Control and Instrumentation
CENTRO DE ENSEÑANZA TECNICA INDUSTRIAL (CETI).

2026 ING. Mechatronic
CUAHTEMOC UNIVERSITY

ACHIEVEMENTS

Development of Engineering Education Project for Marginalized Areas

- I led a research project focused on early education in programming, electronics, and robotics in marginalized areas of Guadalajara, using recycled materials for educational projects. The project was nationally presented, achieving several first places in science fairs. Winner of the 1st place at the 2023 International Environmental Fair in Argentina and multiple awards, including the CASIO Education Award, Best STEAM Project, and Best Research of the Event at MOSTRATEC 2023 in Brazil. Recognition by the State Congress of Jalisco for outstanding representation of Jalisco on an international level.