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Education

Mondragón University	Hernani, Spain
- Bachelor's Degree in Energy Engineering	Sep 2021 - Jul 2025
Sacred Heart University	Fairfield, CT
- Master's in Business Analytics with Applied Artificial Intelligence. - D1 Student Athlete. - Maximum Academic and Athletics Scholarship offered by Sacred Heart University.	Expected Dec 2026

Relevant Experience

Elecnor Servicios y Proyectos, S.A.U. | Energy Engineer – Resource Management in the Field of Electrical Distribution
Aduna, Spain | Sep 2024 – Jul 2025

- Worked at Elecnor Servicios y Proyectos, S.A.U., receiving professional training in electrical distribution, managing worksites, personnel, and projects.
 - Actively participated in fault management and new supply projects, covering all stages: planning, field coordination, safety supervision, and technical-administrative closure.
 - Developed a custom LabVIEW application to improve operational management, automate work registration, and reinforce safety controls within the company.

Technical Projects

Design and Assembly of a Low Power Single Phase Wind Generator

- Designed and assembled a small-scale wind turbine (72.4 W) with Boost converter, MPPT control, and inverter synchronization using myRIO and PLL. (Apr 2024 – Jun 2024)

Implementation of an Electric Scooter

- Converted a conventional scooter into an electric model powered by solar energy, integrating DC motor control, Li-Ion battery, and PV charging station. (Nov 2023 – Feb 2024)

Solar Thermal Collector for Domestic Hot Water

- Built a solar water-heating system with Arduino-based control, sensors, and electronic components to regulate flow and optimize efficiency. (Apr 2023 – Jun 2023)

Hydraulic Power Plant for an Off-Grid House

- Developed an off-grid hydro system for a house, including energy sizing, pump control, and real-time monitoring with PLC. (Nov 2022 – Jan 2023)

Skills and Achievements

Technical Skills:

Python, MATLAB, Simulink, Texas Instruments, Arduino, LabVIEW, SolidWorks, Inkscape, Tableau, SQL, Data Visualization, Predictive Modeling, Machine Learning, NLP, MLOps, A/B Testing

Interpersonal Skills:

Communication Skills, Leadership, Attentive, Hard-working, Cheerful, Teamwork, Adaptability

Languages:

English (Professional), Spanish (Native), Basque (Native)