JOSÉ RAMÓN HERNÁNDEZ

Curriculum Vitæ

Recent Renewable Energy Engineering graduate, detail-oriented and collaborative, with a focus on delivering high-quality results. I specialize in data analysis to extract insights that drive informed decisions. Web app development enthusiast, I create efficient platforms that integrate data for improved accessibility and knowledge sharing.



Sep. 2020 Ago. 2024

Sep. 2023

Renewable Energy Engineering Universidad Nacional Autonoma de Mexico

Temixco, Mexico

Business Administration Studies Roskilde Universitet

Roskilde, Denmark



PROFESSIONAL EXPERIENCE

Sep. 2024 May 2025

Jan. 2024

Undergraduate Thesis Researcher

UNAM

Activities: Developed the Dispositivo de Temperatura, Humedad, Iluminación y Sonido de Campaña (DTHIS-C), a portable, autonomous device for monitoring environmental conditions indoors and outdoors. Programmed and calibrated sensors for temperature, humidity, CO2, luminance, and sound, ensuring data accuracy through certified reference instruments and statistical methods. Integrated data with the IoT platform ThingsBoard for real-time visualization and analysis.

Mar. 2024 Sep. 2024

Social Service Intern

UNAM Temixco, Mexico

Activities: Management and migration of large volumes of scientific data between servers using SSH and Jupyter Server, ensuring proper organization, categorization, and accessibility. Development of an informational website on wind energy in Mexico using Quarto and Visual Studio Code, integrating data visualizations, academic publications, and educational resources. Access the site: https://main-eolicaierunam.netlify.app/.

Aug. 2021 Sep. 2021

Assistant

Corporativo IQ160

◆ Coatzacoalcos, Mexico

Activities: Specialized in instructional design and occupational health and safety, with expertise in applying Official Mexican Standards (NOM-017, NOM-026, NOM-002, NOM-009, NOM-019) to develop effective training courses for the Distance Training Program for Workers (PROCADIST) of the Ministry of Labor and Social Welfare (STPS), contributing to worker skill development, training, and accreditation to prevent occupational risks.



CERTIFICATES

Jan. 2025 Jan. 2025

Data Visualization & Dashboard Essentials

Online IBM

Description: Developed foundational skills in data visualization and dashboard creation using Microsoft Excel and IBM Cognos Analytics. Proficient in designing and generating various chart types, including line plots, bar charts, pie charts, histograms, treemaps, scatter plots, and map charts.

Jan. 2025 Jan. 2025

Excel Essentials for Data Analytics

Online

Description: Gained foundational skills in using Excel for data analysis, including data entry, formatting, and formula creation. Proficient in preparing and wrangling data, building pivot tables, and performing exploratory data analysis.

CONTACT INFO

Renewable Energy Engineer

MANU

Mexico City, Mexico

☑ hdezagjr@gmail.com

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COMPUTER SKILLS

Advanced: Python, Shiny, Quarto and Office (Excel, Word & PowerPoint) Intermediate: Git, HTML and

CSS

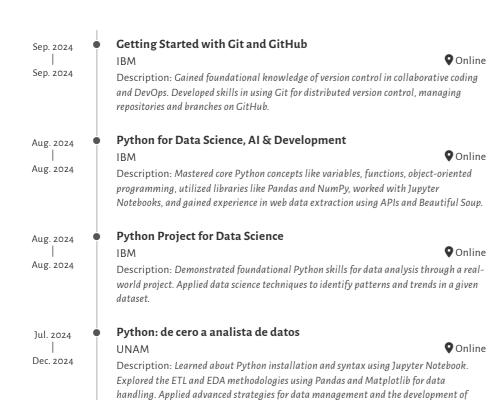
Basic: shell/bash, Docker and C/C++

LANGUAGES

Spanish: Native

English: C1

Italian: Conversational



reproducible projects in data handling and visualization.