

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.

EDUCATION

- Sep. 2020
Ago. 2024 • **Renewable Energy Engineering**
Universidad Nacional Autonoma de Mexico 📍 Temixco, Mexico
- Sep. 2023
Jan. 2024 • **Business Administration Studies**
Roskilde Universitet 📍 Roskilde, Denmark

PROFESSIONAL EXPERIENCE

- Sep. 2024
May 2025 • **Undergraduate Thesis Researcher**
UNAM 📍 Temixco, Mexico
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
Feb. 2025 • **Databases and SQL for Data Science with Python**
IBM 📍 Online
Description: Learned foundational and advanced SQL techniques, including data manipulation, table creation, joins, subqueries, and integration with Python. Gained hands-on experience with real-world datasets in cloud environments, applying SQL for data analysis and data science applications.
- Jan. 2025
Jan. 2025 • **Data Visualization & Dashboard Essentials**
IBM 📍 Online
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.



CONTACT INFO

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🔗 JRamonHA

COMPUTER SKILLS

Advanced: Python, Shiny, Quarto and Office (Excel, Word & PowerPoint)
Intermediate: Git, HTML, CSS and shell/bash
Basic: SQL and C/C++

LANGUAGES

Spanish: Native
English: C1
Italian: Conversational

Jan. 2025 Jan. 2025	Excel Essentials for Data Analytics IBM 📍 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.
Sep. 2024 Sep. 2024	Getting Started with Git and GitHub IBM 📍 Online Description: Gained foundational knowledge of version control in collaborative coding and DevOps. Developed skills in using Git for distributed version control, managing repositories and branches on GitHub.
Aug. 2024 Aug. 2024	Python for Data Science, AI & Development IBM 📍 Online Description: Mastered core Python concepts like variables, functions, object-oriented programming, utilized libraries like Pandas and NumPy, worked with Jupyter Notebooks, and gained experience in web data extraction using APIs and Beautiful Soup.
Aug. 2024 Aug. 2024	Python Project for Data Science IBM 📍 Online Description: Demonstrated foundational Python skills for data analysis through a real-world project. Applied data science techniques to identify patterns and trends in a given dataset.
Jul. 2024 Dec. 2024	Python: de cero a analista de datos UNAM 📍 Online Description: Learned about Python installation and syntax using Jupyter Notebook. Explored the ETL and EDA methodologies using Pandas and Matplotlib for data handling. Applied advanced strategies for data management and the development of reproducible projects in data handling and visualization.