

JOSÉ RAMÓN HERNÁNDEZ

Curriculum Vitæ

Renewable energy engineer with experience in ETL flow development. I have a solid background in quality management and continuous improvement, enabling me to optimize processes and ensure data integrity. I specialize in data analysis (Python, SQL, Power BI) to transform information into actionable insights and in creating interactive platforms that facilitate decision-making and knowledge sharing. My attention to detail, analytical skills, and collaborative approach drive me to contribute innovative solutions and foster a positive and efficient work environment.

EDUCATION

- Sep. 2020
|
Ago. 2024

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Renewable Energy Engineering
Universidad Nacional Autonoma de Mexico

📍 Temixco, Mexico
- Sep. 2023
|
Jan. 2024

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Business Administration Studies
Roskilde Universitet

📍 Roskilde, Denmark

PROFESSIONAL EXPERIENCE

- Sep. 2024
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May 2025

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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, sound, and illuminance, 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
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Sep. 2024

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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 here.](#)

VOLUNTEERING

- Jan. 2025
|
Jul. 2025

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Data Analyst and Web App Developer
IER-UNAM

📍 Temixco, Morelos

Activities: Collaborated on the design and development of a web application for solar radiation and meteorological data monitoring and analysis (ESOLMET); gained hands-on experience in Git-based version control, Python data processing, interactive dashboard and web app development with Shiny for Python, and SQL database design and management.

CERTIFICATES

- Apr. 2026
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Apr. 2026

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Learning Power BI Desktop
LinkedIn

📍 Online

Description: Acquired data analysis and visualization expertise using Microsoft Power BI Desktop; connected to diverse data sources, including Excel, relational databases, and web sources like Wikipedia; shaped and transformed data with the integrated Power Query Editor; created and organized interactive visualizations and reports; and learned to publish, share, and manage Power BI assets for streamlined insight dissemination.



CONTACT INFO

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📍 Mexico City, Mexico
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☎️ 7777162890
🌐 jrhaguilar
🔗 JRamonHA

SOFT SKILLS

Analytical thinking
Strategic problem solving
Attention to detail
Continuous learning

COMPUTER SKILLS

Advanced: Python, Power BI and Office (Excel, Word & PowerPoint)
Intermediate: Git, Minitab and SQL
Basic: Linux and Tableau

LANGUAGES

Spanish: Native
English: C1
Italian: Conversational

- Apr. 2026

Apr. 2026

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Power BI Essential Training

LinkedIn

Online

Description: Acquired end-to-end data analysis and business intelligence skills using the full Microsoft Power BI suite-service, Desktop, and Mobile; connected to diverse data sources, modeled and transformed data, designed and organized interactive reports, pinned and shared dashboards, employed Q&A natural-language queries, and leveraged desktop data modeling capabilities for actionable insights.

Apr. 2026

Apr. 2026

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Aprende Power BI

LinkedIn

Online

Description: Acquired proficiency in Microsoft Power BI by connecting to single or multiple data sources through a secure, intuitive interface to transform and interpret data; designing interactive dashboards and reports; collaborating seamlessly within a unified platform.

Apr. 2026

Apr. 2026

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Data Analytics for Lean Six Sigma

University of Amsterdam

Online

Description: Learned data analytics techniques for Lean Six Sigma improvement projects using Minitab. Explored the practical use of analytical tools to interpret and analyze project data through real-world examples and applied methodologies that extend beyond traditional improvement projects.

Mar. 2025

Apr. 2025

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Aprende Minitab

LinkedIn

Online

Description: Learned the core functionalities of Minitab, from basic operations to advanced statistical techniques. Applied practical, step-by-step methods to interpret and analyze complex data, maximizing the software's capabilities for effective data-driven decision-making.

Mar. 2025

Mar. 2025

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Lean Six Sigma Foundations

LinkedIn

Online

Description: Gained a solid foundation in Lean Six Sigma by integrating Lean principles with Six Sigma methodologies to enhance performance and systematically eliminate waste. Explored the DMAIC process, Lean tools (5S, Kanban, poka-yoke, kaizen), and leadership strategies for effective project execution in services and supply chain management.

Aug. 2024

Mar. 2025

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IBM Data Analyst

IBM

Online

Description: Completed an intensive 11-course program covering key data analytics principles and practical techniques. Developed expertise in data manipulation, analysis, and visualization using tools such as Excel, SQL, Python, Jupyter Notebooks, and Cognos Analytics. Gained hands-on experience with real-world datasets, applying advanced SQL skills, including table creation, joins, subqueries, and Python integration to drive data-driven insights. Demonstrated proficiency in building interactive dashboards, performing comprehensive data analyses, and presenting actionable reports, effectively preparing for an entry-level role in data analytics.

Jul. 2024

Dec. 2024

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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.
- ## ORAL COMMUNICATIONS
- Jan. 2025

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Ciencia de datos

Collaboration on “La Araña Patona,” a podcast organized by Juan Manuel Valero at Radio UNAM.

Online
-  Podcast
- Last updated on 2025-05-29.