

JOSÉ RAMÓN HERNÁNDEZ

Curriculum Vitæ

Recent Renewable Energy Engineering graduate with a strong foundation in quality management, including knowledge of frameworks and tools for continuous improvement and quality management. Attentive, prudent, and meticulous, I am committed to contributing to a positive and collaborative work environment by leveraging my technical expertise. I specialize in data analysis to extract insights that support informed decisions and create efficient platforms that enhance data accessibility and knowledge sharing.

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

- Apr. 2025
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Sep. 2025

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Social Media and Broadcast Analyst
CNEER

📍 Temixco, Morelos

Activities: I analyzed social media metrics to evaluate campaign performance, conducted both quantitative and qualitative assessments of audience engagement, and generated comprehensive impact reports to inform strategic decision-making. My role significantly contributed to enhancing the digital presence and outreach of the congress, ensuring effective dissemination of event information and strengthening its overall online image.
- Jan. 2025
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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.



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: and Tableau

LANGUAGES

Spanish: Native
English: C1
Italian: Conversational



CERTIFICATES

Apr. 2026

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Apr. 2026

Liderazgo y trabajo en equipo

LinkedIn

📍 Online

Description: Developed leadership and teamwork expertise by analyzing methods to foster individual growth and drive continuous team advancement; mastered providing and receiving feedback, conducting difficult conversations, and effectively communicating team mission, while applying trust-building and well-being strategies to enhance team performance.

Apr. 2026

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Apr. 2026

Fundamentos del liderazgo

LinkedIn

📍 Online

Description: Acquired a comprehensive foundation in leadership fundamentals within rapidly evolving technological and business environments, emphasizing the leader's role in managing change and shaping organizational culture. Explored four dimensions of leadership (personal, team, organizational, and external) and learned practical actions to inspire, connect, and mobilize teams toward effective collective action.

Apr. 2026

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Apr. 2026

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.

Apr. 2026

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Apr. 2026

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

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Apr. 2026

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

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Apr. 2026

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.

Apr. 2026

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Apr. 2026

Six Sigma Green Belt

LinkedIn

📍 Online

Description: Acquired a customer-centric, data-driven approach to enhancing processes, products, and services through Six Sigma methodologies. Prepared for Green Belt certification utilizing statistical tools and techniques in part-time Six Sigma projects.

Mar. 2025

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Apr. 2025

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
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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.
- Mar. 2025
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Mar. 2025

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Quality Management Foundations

LinkedIn

📍 Online

Description: Completed an in-depth course covering key quality management frameworks and tools. Learned to apply Deming's 14 Points, the Baldrige Excellence Framework, and ISO 9000 principles, while utilizing strategies such as Lean (Kaizen, Poka-Yoke), Pareto analysis, and Six Sigma DMAIC. Developed skills in fostering leadership, teamwork, and continuous improvement to meet customer expectations and drive long-term business success.
- Aug. 2024
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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
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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