

# 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  
|  
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  
|  
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  
|  
Sep. 2025

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**Social Media and Broadcast Analyst**  
CNEER

📍 Temixco, Mexico

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.

## CERTIFICATES

- 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.



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

## LANGUAGES

Spanish: Native  
English: C1  
Italian: Conversational

Apr. 2026

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

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

Mar. 2025

## 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

Mar. 2025

## 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

Mar. 2025

## 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

## 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

## Ciencia de datos

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

 Online

