

# 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, 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

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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: <https://main-eolicaierunam.netlify.app/>.
- Aug. 2021  
|  
Sep. 2021

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**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

- 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.



## CONTACT INFO

👤 Renewable Energy Engineer  
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📍 Mexico City, Mexico  
✉️ hdezagjr@gmail.com  
☎️ 7777162890  
🌐 jrthaguiar  
🔗 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

<div> <div>Mar. 2025</div> <div>Mar. 2025</div> </div>	<div> <div>●</div> <div> <div>Lean Six Sigma Foundations</div> <div>LinkedIn</div> <div> <div>📍</div> <div>Online</div> </div> </div> <div>           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.         </div> </div>
<div> <div>Mar. 2025</div> <div>Mar. 2025</div> </div>	<div> <div>●</div> <div> <div>Quality Management Foundations</div> <div>LinkedIn</div> <div> <div>📍</div> <div>Online</div> </div> </div> <div>           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.         </div> </div>
<div> <div>Mar. 2025</div> <div>Mar. 2025</div> </div>	<div> <div>●</div> <div> <div>Introducción a la calidad</div> <div>UNAM</div> <div> <div>📍</div> <div>Online</div> </div> </div> <div>           Description: Gained a comprehensive understanding of quality management systems, with a focus on ISO 9000 and practical quality tools. Studied the Deming cycle, Kaizen, and the Toyota Production System, including methodologies like 5S, Just-In-Time, and Kanban to optimize operations. Also explored key aspects of capacity planning, facility location, plant layout, and inventory management, along with sustainable practices based on ISO 14000 for environmental responsibility.         </div> </div>
<div> <div>Aug. 2024</div> <div>Mar. 2025</div> </div>	<div> <div>●</div> <div> <div>IBM Data Analyst</div> <div>IBM</div> <div> <div>📍</div> <div>Online</div> </div> </div> <div>           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.         </div> </div>
<div> <div>Jul. 2024</div> <div>Dec. 2024</div> </div>	<div> <div>●</div> <div> <div>Python: de cero a analista de datos</div> <div>UNAM</div> <div> <div>📍</div> <div>Online</div> </div> </div> <div>           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.         </div> </div>

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ORAL COMMUNICATIONS

<div> <div>Jan. 2025</div> </div>	<div> <div>●</div> <div> <div>Ciencia de datos</div> <div> <div>Collaboration on “La Araña Patona,” a podcast organized by Juan Manuel Valero at Radio UNAM.</div> <div> <div>📍</div> <div>Online</div> </div> </div> </div> </div>
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Podcast