

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

- Apr. 2026
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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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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.
Mar. 2025 Mar. 2025	Introducción a la calidad UNAM  Online 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.
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
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