

# JOSÉ RAMÓN HERNÁNDEZ

## Curriculum Vitæ

Recent Renewable Energy Engineering graduate, detail-oriented and collaborative, with a focus on delivering high-quality results. I specialize in data analysis to extract insights that drive informed decisions. Web app development enthusiast, I create efficient platforms that integrate data for improved 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  
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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  
|  
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

- Jan. 2025  
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Jan. 2025

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**Data Visualization & Dashboard Essentials**  
IBM

📍 Online

Description: Developed foundational skills in data visualization and dashboard creation using Microsoft Excel and IBM Cognos Analytics. Proficient in designing and generating various chart types, including line plots, bar charts, pie charts, histograms, treemaps, scatter plots, and map charts.
- Jan. 2025  
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Jan. 2025

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**Excel Essentials for Data Analytics**  
IBM

📍 Online

Description: Gained foundational skills in using Excel for data analysis, including data entry, formatting, and formula creation. Proficient in preparing and wrangling data, building pivot tables, and performing exploratory data analysis.



## CONTACT INFO

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📍 Mexico City, Mexico  
✉️ hdezagjr@gmail.com  
☎️ 7777162890  
🌐 jrhuagular  
🔗 JRamónHA

## COMPUTER SKILLS

Advanced: Python, Shiny, Quarto and Office (Excel, Word & PowerPoint)  
Intermediate: Git, HTML and CSS  
Basic: shell/bash, Docker and C/C++

## LANGUAGES

Spanish: Native  
English: C1  
Italian: Conversational

<div>Sep. 2024</div> <div>Sep. 2024</div>	<div>●</div> <div> <b>Getting Started with Git and GitHub</b>            IBM           <div>📍 Online</div> </div> <div>           Description: <i>Gained foundational knowledge of version control in collaborative coding and DevOps. Developed skills in using Git for distributed version control, managing repositories and branches on GitHub.</i> </div>
<div>Aug. 2024</div> <div>Aug. 2024</div>	<div>●</div> <div> <b>Python for Data Science, AI &amp; Development</b>            IBM           <div>📍 Online</div> </div> <div>           Description: <i>Mastered core Python concepts like variables, functions, object-oriented programming, utilized libraries like Pandas and NumPy, worked with Jupyter Notebooks, and gained experience in web data extraction using APIs and Beautiful Soup.</i> </div>
<div>Aug. 2024</div> <div>Aug. 2024</div>	<div>●</div> <div> <b>Python Project for Data Science</b>            IBM           <div>📍 Online</div> </div> <div>           Description: <i>Demonstrated foundational Python skills for data analysis through a real-world project. Applied data science techniques to identify patterns and trends in a given dataset.</i> </div>
<div>Jul. 2024</div> <div>Dec. 2024</div>	<div>●</div> <div> <b>Python: de cero a analista de datos</b>            UNAM           <div>📍 Online</div> </div> <div>           Description: <i>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.</i> </div>