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

Renewable Energy Engineering
Sep. 2020 — Ago. 2024
Universidad Nacional Autonoma de Mexico 📍 Temixco, Mexico

Business Administration Studies
Sep. 2023 — Jan. 2024
Roskilde Universitet 📍 Roskilde, Denmark

💻 PROFESSIONAL EXPERIENCE

Undergraduate Thesis Researcher
Sep. 2024 — May 2025
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, CO_2, 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.*

Social Service Intern
Mar. 2024 — Sep. 2024
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/.*

Assistant
Aug. 2021 — Sep. 2021
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

IBM Data Analyst
Aug. 2024 — Mar. 2025
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.*

CONTACT INFO

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🏛 UNAM
🗺 Mexico City, Mexico
✉ hdezagjr@gmail.com
📞 7777162890
🔗 jrhaguilar
🔗 JRamonHA

COMPUTER SKILLS

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

LANGUAGES

Spanish: Native
English: C1
Italian: Conversational

Jul. 2024
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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.*

Sep. 2024
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Sep. 2024

Getting Started with Git and GitHub
IBM   📍 Online

Description: *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.*

💬 ORAL COMMUNICATIONS

Jan. 2025

Ciencia de datos
Collaboration on "La Araña Patona," a podcast organized by Juan Manuel Valero at Radio UNAM.

📍 Online

🎧 Podcast