

# JOSÉ RAMÓN HERNÁNDEZ AGUILAR

## Curriculum Vitæ

Renewable energy engineer with experience in ETL flow development. I have a solid background in quality management and continuous improvement, enabling me to optimize processes and ensure data integrity. I specialize in data analysis (Python, SQL, Power BI) to transform information into actionable insights and in creating interactive platforms that facilitate decision-making 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

- Jan. 2025  
|  
Jul. 2025

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**Data Analyst and Web App Developer**  
IER-UNAM

Temixco, Mexico

**Activities:**
  - Co-developed ESOLMET, a Python app for solar radiation analysis: defined SQL schemas and cleaned/transformed datetime series meteorological data
  - Built interactive dashboards and data quality tests for end users, enhancing decision-making across the development team
- Sep. 2024  
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May 2025

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**Undergraduate Thesis Researcher**  
UNAM

Temixco, Mexico

**Activities:**
  - Designed and built DTHIS-C, an IoT environmental monitoring device by configuring sensors for temperature, humidity, CO<sub>2</sub>, illuminance, and sound
  - Implemented an ETL pipeline in Python and performed statistical validation against certified references to ensure data accuracy
  - Integrated results into ThingsBoard, creating real-time dashboards that optimized environmental condition monitoring

## CERTIFICATES

- 2025

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**Learning Power BI Desktop**  
LinkedIn
- 2025

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**Power BI Essential Training**  
LinkedIn
- 2025

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**Data Analytics for Lean Six Sigma**  
University of Amsterdam
- 2025

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**Lean Six Sigma Foundations**  
LinkedIn
- 2025

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**IBM Data Analyst**  
IBM
- 2024

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**Python: de cero a analista de datos**  
UNAM

## ORAL COMMUNICATIONS

- Jan. 2025

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

## CONTACT INFO

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## SOFT SKILLS

Analytical thinking  
Strategic problem solving  
Attention to detail  
Continuous learning  
Teamwork

## COMPUTER SKILLS

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

## LANGUAGES

Spanish: Native  
English: C1  
Italian: Conversational