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📍 Available to relocate

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Data Scientist and Actuary with four years of experience with data science projects for different institutions and with applications such as technology, finance, education, agriculture, and health.

Self-taught, keeping myself in constant learning. With a solid commitment to the community and talent development. Interest in AI ethics and human rights, AI applications for health, business, and climate change.

Professional Experience

IBM, Guadalajara, Jalisco: *Data Scientist* in Chief Information Office.

August 2022 - April 2023

Development of artificial intelligence projects (use machine learning and deep learning algorithms) in relation to costs and contract opportunities, deployment of models, and monitoring results in production.

Leader of a data science team (3 people).

Founder program AI Women Academy.

Volunteer in Population Health Management for the 21st Century. Data analytics.

Member of the Academic Ambassadors program, speaker in different sessions talking about DS.

IBM, Guadalajara, Jalisco: *Business Analyst* in Global Technology Services.

March 2021- July 2022

Process optimization and automation using probabilistic models, machine learning models, high-level analytics, and data science processes.

Analysis of various types of data (structured / unstructured)

Create pipelines and dashboards in Tableau for different stakeholders.

Description of business processes, and identification of functional and non-functional IT requirements.

Data engineering skills for data validation through ETL flows.

Worked in a global team.

Dataloop SA de CV, Santiago de Querétaro: *Data Scientist Jr.*

August 2019 - February 2021

Development of intelligent algorithms to optimize prices in the private health sector, using statistical tools and linear programming.

Business understanding and requirements capture of different stakeholders.

Tool development with OCR (Optical Character Recognition) with 97% accuracy.

Management of API (Application Programming Interface) to obtain information and connection with our data system.

Teacher Intern, Santiago de Querétaro: *Machine Learning Intern.*

September 2018 - June 2019

Development of NLP projects using the Twitter API and models such as neural networks and tensors.

Education

MicroMasters program in Statistics and Data Science (SDS)

August 2022 - Present

MITx and Institute for Data, Systems, and Society.

Diplomat in Analytics and Data Science

February 2021-May 2021

Faculty of Accounting and Administration, Universidad Autónoma de Querétaro..

Bachelor's Degree in Actuarial Science

July 2016- June 2020

Universidad Autónoma de Querétaro.

Languages

Spanish - Native

English - Proficient (B2)

French - Basic

Technical skills

Data exploration, machine learning, data analysis, deep learning, predictive modeling, model building, data visualization, natural language processing, storytelling, and Agile methodology.

Programming languages: Python, R, Julia, Spark, SQL.

Machine Learning: Tensorflow, Pytorch, OpenCV, Scikit-learn, PySpark.

Natural Language Processing: SpaCy, NLTK, Gensim.

Data Mining: Beautiful Soup, Scrapy.

Data Analysis: Pandas, NumPy, SciPy.

Data Visualization: Matplotlib, Seaborn, Plotly, Tableau, Bokeh.

Cloud solutions: AWS, IBM Cloud.

Certificates

IBM Machine Learning Specialist. May 2022.

IBM Blue Core Mentor. May 2021.

INDAUTOR: 03-2019-102110584100-01 Sistema de adquisición y preprocesamiento automático de la red SNIIM para precios diarios de frutas y hortalizas. September 2021.

A00-402 SAS Viya 3.5 Supervised Machine Learning Pipelines, August 2020.

Data Science Publications

"Online education in times of COVID: Adapting and deploying a data science program in Mexico": *Article with Clubes de Ciencia Mexico on Harvard Data Science Review, Issue 4.2, May 02, 2022.*

Data Science and AI Additional Projects

"System for the acquisition of agricultural market data and automated temporal analysis, oriented to the prediction of future prices": *obtaining information through web scraping and using ANOVA techniques to compare results, September 2020.*

Additional activities in STEM

Volunteer, staff, teacher assistant, and member of the evaluation team in *Clubes de Ciencia México* (not-for-profit organization seeking to offer the best extracurricular science education program, generating a high technological impact in Mexico). May 2020-Present.

Founder *Mexicanas Codeando*, (initiative for students in elementary school to learn STEM). San Jose Iturbide, Guanajuato, Mexico. December 2022.

Mentor in Hackathon Jalisco Talent- land 2022-2023, Guadalajara, Jal., Mexico.

Speaker in:

- RIIAA (Reunión Internacional de Inteligencia Artificial y sus Aplicaciones) 5.0, CDMX, Mexico, September 2022.
- Women Who Code, Latin America (live event), October 2022.
- Women in Data Science, La Paz, Bolivia, March 2022.
- Different universities and communities are talking about Data Science. Since 2020.

Mentor in *Technovation Girls* (free technology-based program for girls ages 8 - 18, with a worldwide presence). January 2021- May 2022

Awards

2023 Applaud Her Awards: 100 Technologists to Watch. Women Who Code's 100 Technologists to Watch honors this by recognizing and celebrating the accomplishments of technologists from various backgrounds who have achieved excellence, innovated the industry, and shown leadership. March 2023