Santiago A. Jiménez

Data Scientist/Analyst

Industrial Engineer transitioning into a Data Scientist/Analysis role after completing some relevant professional certificates and courses. Over 4 years of experience managing 5+ people in areas related to operations research and industrial safety. Core skills include extrapolating data and providing actionable insights for decision making through techniques as machine learning and statistics.

WORK EXPERIENCE

Junior Data Scientist/Analyst   September 2021 – Present

Self-Employed – (see portfolio for examples)

- Built Tableau/Power BI dashboards using data from 10+ sources to visualize core business KPIs (e.g., monthly recurring revenue, churn analysis) resulting in an increase in data usage of 8%+ by department.
- Reduced waiting times from the medical appointments and increased user utilization by 15%, through a combination of hypothesis testing, regression analysis and machine learning models [Supervised Learning] for a local medical center.
- Aggregated unstructured data information from 10+ sources to build the foundation and insights before of a new product launched, through techniques from data analysis (Python, Pandas, data cleaning, data wrangling).

Process and Industrial Safety Advisor   March 2017 – August 2021

Self-Employed

- Developed and executed a raw material use analysis in the process of fabrications of disposable plastic plates, leading to an 8% decrease in the waste obtained at the end of the line of work, reflected in an annual saving of $450k in raw material.
- Introduced a system for the evaluation and reduction of work accidents in the loading and unloading areas, adjusted to each type of operation, achieving an annual reduction of 15% in incidents related to this type of activity.
- Collaborated in teams of 8-12 members in the implementation of the normative ISO-9001.

EDUCATION

Data Science Professional Certificate   October 2021 – March 2022

IBM - Coursera, Online

- This Professional Certificate, developed and honed the skills to created Machine Learning models through several labs and assignments on the cloud including a Capstone Project.

Applied Data Science with Python   November 2021 – April 2022

University of Michigan - Coursera, Online

- The 5 courses in this specialization introduce statistical, machine learning, information visualization, and text analysis techniques.

Data Analyst Professional Certificate   September 2021 – February 2022

IBM - Coursera, Online

- This 6-month course deepens in the core principles of data analysis and worked hands-on with real data sources, project scenarios, and data analysis tools, including Excel, SQL, Relational Databases, Python, Jupyter Notebooks, and Cognos Analytics.

Bachelor of Industrial Engineering   August 2017

University of Guayaquil

Major in Operations Research
Guayaquil, Ecuador

CONTACT

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- LinkedIn
- Portfolio

SKILLS

Data Visualization/Engineering:
- Tableau (Medium)
- Power BI (Medium)
- Excel (Advanced)
- Matplotlib (Python) (Medium)
- Cognos Analytics (Medium)

Techniques:
- Machine Learning (Supervised and Unsupervised)
- Deep Learning
- Data Analysis
- Statistics: A/B Testing

Tools and Frameworks:
- Python: Numpy, Pandas, Keras, Scikit-learn
- Deep Learning: TensorFlow
- Big Data: Hadoop, PySpark
- Databases: PostgreSQL, AWS, Azure, MongoDB

OTHER

- Specialized Program - Deep Learning - 2022
- Specialized Program - TensorFlow: Advanced Techniques - 2022
- Specialized Program - DeepLearning.AI TensorFlow Developer - 2022
- Tableau Fundamentals (Datacamp, 24 hours) - 2022
- Specialized Program – NoSQL, Big Data, and Spark Foundations - 2022
- Data Analyst in Power Bi (Datacamp, 51 hours) – 2022
- Big Data with PySpark (Datacamp, 24 Horas) – 2022
- Awards: Best Scores - Period 2015 – Industrial Engineering Career (only 3 awarded), Dean's List 2015
- Languages: English, Spanish