HECTOR AHOW
Junior Data Analyst

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OBJECTIVE

Junior data analyst position seeking to leverage my mechanical engineering background and analytical skills to extract insights from data and solve complex business problems

SKILLS

- Data analysis
- Data visualization (Matplotlib, Seaborn)
- Python (Pandas, NumPy, Sklearn, Haversine)
- SQL (MySQL)
- POWER BI
- Web Scrapping
- Microsoft Office
- Communication and Teamwork

PROJECTS

RESTAURANTS SCRAPING AND DATA ANALYSIS - NOV 2023
This project aims to analyze restaurant ratings and reviews into customer sentiment and restaurant performance. It involves **scraping** restaurant data from the Google Maps API, analyzing rating distribution, identifying trends, sentiment analysis, and creating visualizations in **POWER BI** to present the findings.

UBER DATA ANALYSIS - SEP 2023
Analyzed and cleaned 200,000 Uber travel data in New York using **Pandas** and **NumPy**. Visualize locations using **Folium**. Identified demand patterns to improve the efficiency of the Uber system based on the visualization with **Matplotlib** and **Seaborn**.

STOCK PRICE PREDICTOR - AUG 2023
Analyzed the last 7 years of market data using **Pandas** and **NumPy**. Getting stock prices using **yfinance** from Yahoo Finance. Created an artificial recurrent neural network (**Long Short Term Memory**) model to predict the closing price of Microsoft stock. Visualized data using **Matplotlib**, and **Seaborn**.

WORK EXPERIENCE

Junior Data Engineer. 2023 – Present. I specialize in collecting and interpreting complex datasets to inform decision-making and optimize media campaigns. My role involves creating detailed reports and dashboards, supporting media buying teams with data-driven insights, and developing analytical tools to enhance performance. I also focus on identifying market trends, establishing key performance indicators (KPIs), and collaborating with cross-functional teams to ensure data integrity.

Project Manager. 2021 – 2023. Remotely monitored and analyzed operational data of a boiler and chiller system (district energy system) for a building and condominium in Guelph, Canada, to support decision-making and actions on the system.

Piping Engineering. 2012 – 2021. Analyzed and cleaned raw material data. Automated the counting of materials and equipment for several projects in a spreadsheet, minimizing the execution time of this activity (previously performed manually).

EDUCATION

Bachelor Mechanical Engineer | 1997 – 2003 | Barcelona, Venezuela

LANGUAGES

Spanish (Native)
English

HOBBIES

Workout exercises, Soccer, Cooking, Barista