

HECTOR AHOW

Junior Data Analyst

Barcelona, Venezuela
hectorahow@gmail.com
+58.414.806.1978
hectorportfolio.github.io

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)
- VSCode
- Microsoft Office
- Communication and Teamwork

PROJECTS

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**.

PRODUCT RECOMMENDATION SYSTEM - SEP 2023

Reviewed and analyzed 43,000,000 e-commerce data using **Pandas**. Created a model for suggesting products to users based on previously viewed products using a **content-based filtering concept**. The model **uses cosine similarity** machine learning to determine the similarity between products in the database.

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

Project Manager. 2021 – Present. 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).

Sales Engineer. 2004 – 2012. Controlled input and output data of the inventory of various equipment and products in a spreadsheet, for the creation of quotes based on the product available.

EDUCATION

Bachelor Mechanical Engineer | 1997 – 2003 | Barcelona, Venezuela

LANGUAGES

Spanish (Native)
English

HOBBIES

Workout exercises, Soccer, Cooking, Barista