

SCARLETTE BELLO BARRON

Data scientist and Biochemical Engineer, autodidact and results-oriented

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SKILLS

Python | SQL | PowerBI | Hadoop | Linux | Git | AWS | Google Cloud

Data scientist and Biochemical Engineer with 2+ years of experience in data analysis, machine learning, and process optimization. Skilled in Python, SQL, Hadoop, and AWS. Seeking to leverage my expertise to drive successful outcomes as a Data Scientist at PMG Intelligence.

LANGUAGES

Spanish Native Proficiency | **English** Full Professional Proficiency

WORK EXPERIENCE

Data analyst, Mississauga | Projects

05/2022-current

- Utilized logistic regression to develop a voice prediction model in Python, predicting modeling and statistical analysis.
- Developed a text classification model by NLP techniques, Naive Bayes and feature extraction, to predict the category of text journals based on given input words.
- Created SQL tables for human resources data extraction, by understanding of data modeling, keys, and foreign keys.
- Designed a PowerBi dashboard for sales visualization and reporting across different categories.

Sales associate, Mississauga | Rogers Communications

09/2022-current

- Used Power BI insights to surpass weekly sales goals by 20%, driving substantial revenue growth.
- Maintained a customer satisfaction rating of 9.6 out of 10, leading to a 20% increase in sales and driving substantial revenue growth.

Quality Control Analyst, Mexico City | Geep-Pepsi

10/ 2019 – 10/2022

- Identified improvement opportunities through the collection and analysis of physicochemical and microbiological data, ensuring the quality of biotechnological products and processes.
- Achieved a 30% reduction in energy, water consumption, and dead time by identifying critical process points.
- Reduced raw material consumption by 20% and improved primary packaging sanitization through data insight and team project collaboration.

Research collaborator, Mexico, City | National Polytechnic Institute

07/2017-08/2019

- Conducted microstructural analysis on powdered products stored under varying humidity conditions, through microstructural images, physicochemical, and rheological data.
- Analyze structural interactions and functions of materials, to gain a comprehensive understanding of the processes.
- Collaborated with the biochemistry research department to focus on kidney diseases, applying a multidisciplinary approach to achieve the best outcomes.

Entrepreneurial Internship-training, Mexico City TrepCamp

12/2021 – 01/2022

Prototype developed, integrating minimum viable team selection, design thinking, lean startup, and agile methodologies. Covering market research, strategy, prototyping, unit economics, metrics, and pitching.

EDUCATION

Big Data Analytics, PgD. Mississauga | Lambton College

05/2022-current

- Developed machine learning projects utilizing Python's Scikit-learn, Pandas, Matplotlib, and Seaborn for data cleaning, visualization, and analysis to inform industry decision-making.
- Worked with both relational databases (MySQL, SQL Workbench, SQL Console) and NoSQL databases.
- Utilized clustering technology solutions including HDFS, MapReduce, and Apache Hadoop environment.
- Experienced in management tools, Git, GitHub, cloud servers (AWS, Google Cloud), and visualization tools like PowerBI.

Biochemical Engineering, B.S. Mexico City | National Polytechnic Institute

08/2015 – 06/2019

- Applied microbiology to engineer organic compounds for use in pharmaceuticals, food, and beverages.
- Applied engineering for research and development of products and processes design.