ABEL ISAÍAS GUTIÉRREZ-CRUZ

DATA SCIENTIST

PROFESSIONAL PROFILE

Proactive pharmacist specialized in data science and statistical techniques to develop and implement solutions. Eager to assist with the decision-making process and the quality assurance of results generated.

CAREER OBJECTIVE

To combine the properties of scientific research and data science for generating solutions to challenges facing society nowadays.

CONTACT

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in Abel Isaías Gutiérrez Cruz

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LANGUAGES

· Spanish (native)
· English Intermediate

SKILLS

· Problem solving
· Team player
· Creativity
· Information summarizing
· Leadership
· Adaptability
· Empathy

EDUCATION

Universidad Nacional Autónoma de México
Undergraduate in Biological Pharmaceutical Chemistry, Faculty of Chemistry
August 2016 - Present

PROFESSIONAL TRAINING

SQL for Data Science (November 2020 - October 2021)
University of California, Coursera
• Management, extraction, and filtering of data in an efficient way.
• Implementing complex SQL queries using joins, triggers, and views

Specialization in Deep Learning (Agosto 2021- Diciembre, 2021)
DeepLearning.AI, Coursera
• Developing deep neural networks using NumPy, Tensorflow, and Keras to model and solve complex problems.
• Implementing data visualizations with Python (Matplotlib) to generate insight from the results of the implemented models.
• Implementing processes of regularization, optimization, and hyperparameter tuning to improve deep neural networks

Six Sigma for begginers (June- September, 2020)
Faculty of Chemistry, UNAM
• Implementation of Six Sigma and Lean methodologies.
• Development of a mindset focused on the quality of products or services offered to customers
• Development of structured thinking to improve the decision-making process through statistical techniques

EXPERIENCE

Academic internship in Instituto Nacional de Medicina Genómica (November 2020 - January 2022)
• Analyzing massive data to understand biological systems using statistical methods, information theory, and graph theory.
• Using data storytelling to communicate the most important results and propose new areas of interest.
• Organizing information hierarchically to write scientific texts.

Own enterprise Odde (June 2020 - Present)
• Deploying a system to record the movement of inventory with a 3NF design in PostgreSQL using SQLAlchemy, Flask, and Docker compose. Obtaining an improvement in the efficiency of the necessary transactions in sales and a reduction of 40% in the time needed for a production cycle.
• Creating dashboards with Power BI to provide recommendations and future actions in the business.

ABILITIES AND KNOWLEDGE

• Two years of experience in R, Python, and SQL.
• I work comfortably with MySQL and PostgreSQL.
• I have extensive knowledge of statistical inference and exploratory data analysis techniques.