



ABEL ISAÍAS GUTIÉRREZ-CRUZ

BIOLOGICAL PHARMACEUTICAL CHEMIST

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 pharmaceutical research and data science for generating solutions to challenges facing society nowadays.

CONTACT



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Abel Isaías Gutiérrez Cruz



www.isaiasgutierrez.me

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 from scratch deep neural networks using NumPy to understand the basics of deep learning (activation functions, cost functions, gradient descent). I also used Tensorflow and Keras to solve more complex problems.
- Implementing processes of regularization, optimization, and hyperparameter tuning to improve deep neural networks

Six Sigma for beginners (June- September, 2020)

Faculty of Chemistry, UNAM

- Implementation of Six Sigma and Lean methodology
- Development of structured thinking to improve the decision-making process through statistical techniques

EXPERIENCE

Academic internship in Instituto Nacional de Medicina Genómica (November 2020 - June 2021)

Analyzing massive data to understand biological systems using statistical methods, information, and graph theory. In addition, I organized information hierarchically to write scientific texts.

Work

Own enterprise Odde (June 2020 - Present)

Deploying a system to record the movement of inventory with a 1NF design in PostgreSQL using SQLAlchemy, Flask, and Docker compose. I obtained an improvement in the efficiency of the necessary transactions in sales. I contacted clients to sell products as well.

ABILITIES AND KNOWLEDGE

- I work smoothly with R, Python, and SQL. I have basic knowledge of C++.
- I work comfortably with MySQL and PostgreSQL.
- I have extensive knowledge of statistical inference and exploratory data analysis techniques.