

Luis Daniel Moreno Santamaría

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EDUCATION

Superior School of Computer Science-IPN Jan. 2022 – Expected 2026
Bachelor's Degree in Data Science CDMX, Mexico

Relevant Courses

Probability, Linear Algebra, Statistics, Data Structures, Databases and Calculus

EXTRACURRICULAR

Competitive Programming Club Aug. 2022 - Present
Superior School of Computer Science - IPN CDMX, Mexico

We study algorithms and data structures focusing on problem solving, in particular problems regularly found at Codeforces & Leetcode.

- Took part at the summer training camp organized by the the same organization.
- Gave a class on linear data structures(queues and stacks).

Congreso de Informática 2023-A Jun. 2023
UPIICSA - IPN CDMX, Mexico

- Presented my project "CDMX Metro System Analysis" at a collaborative congress between ESCOM and UPIITA in front over 50 attendees.

PROJECTS

Discourse analysis of the 2024 Mexican presidential elections | *NLTK, Beautiful Soup* May 2024 – Present

- Web scrapped the 3 presidential election debates.
- Performed Sentiment Analysis per debate and per candidate.
- Applied topic modeling per debate.

CDMX Metro System Analysis | *Python, Plotly, Numpy, Pandas* Jun 2023 – Present

- The aim of the project was to keep track of the use on the current metro system and make an exploratory analysis of it
- Modified a CSV file to a PostgreSQL database and connected it to a Python script to make queries through it, the requests then got saved on pandas dataframes for the exploratory analysis.

Appointments Graph Database | *Neo4j* Oct 2023 – Present

Created a NOSQL database that allowed a chain of hospitals organize appointments, manage patients medical records and track staff's records.

- Modeled the graph nodes and relations along the queries for interacting with the system to get relevant info.

TECHNICAL SKILLS

Languages: Spanish (native), English: C2

Programming Languages: Python, R, C/C++, JavaScript, SQL, CQL, HTML/CSS, SSH

Developer Tools: Git/Github, Google Cloud Platform, PowerBI, Adobe, Linux. Neo4j, MongoDB, MySQL

Courses:

- Python Programming in the scientific field *issued by Computation Investigation Center - IPN. Sep 2022*
- Basic SQL Server *issued by Computation Investigation Center -IPN. Jun 2022*
- Google Data Analytics Certificate. *Issued by Google*
- Data Analysis with Python *Issued by freeCodeCamp*