

Lydia Delgado Uriarte

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EDUCATION

Instituto Tecnológico de Estudios Superiores de Monterrey

Major B.S in Computer Science and Technology.

Graduation date: 08/2020 - 06/2024

Instituto Tecnológico de Estudios Superiores de Monterrey

Data Analytics and Visualization Certificate

Certificate

12/2021 - 06/2022

Instituto Tecnológico de Estudios Superiores de Monterrey

Highschool Technical baccalaureate in programing

08/2017 - 05/2020

Experience

Devant, Mexico

02/2022 - 12/2022

Internship in Devant, taking courses on Tableau and appornting to PowerBI technologies development. Have done dashboards and visualizations for companies to help them present their sales and advances in the market.

Technologies used: Tableau.

Banco de Alimentos de México, Guadalajara

08/2022 - 10/2022

Currently volunteering in Banco de Alimentos de México (BAMX) as a developer, currently managing the database in Firebase and fetching data from a mobile Android app to set donation goals for the company. The objective of this application is to help people make food donations and monetary donations.

Technologies used: Kotlin, Firebase, Google Maps API.

Courses

HackMTY, Monterrey

09/2022

Attended a 24 hours Hackaton at Instituto Tecnológico de Estudios Superiores de Monterrey, our team created a web application using React, our avatar selects things to buy matched with our likes, allowing payments anytime with FaceID. Configured the camera worked correctly and created the routes.

Technologies used: React, Face API.

PROJECTS

House Pricing

<https://github.com/Lydiadel/house-pricing>

A **predictive model** on house pricing based on a real estate database, trying to predict prices for a specific set of characteristics.

- Use **Javascript** for functionality applying the formula of the **Machine Learning** prediction
- Incorporate **Tableau Dashboard** prices from a database of house characteristics.
- Developed using **HTML**, **CSS** and **Javascript**.

Statistical Deep Analysis

https://github.com/Lydiadel/MechaCar_Statistical_Analysis

Performed a **statistical analysis** on the indicator of fuel economy of cars (MPG) using **R**.

- A summary statistics to see the data variance for each lot.
- **T-tests** to make comparisons between suspension coils.
- A **study design for future analysis** in MechaCar vs Competition.

Mapping Earthquakes

https://github.com/Lydiadel/Mapping_Earthquakes

Retrieve **GeoJSON** data using **Javascript** to analyze earthquakes and tectonic plates.

- Add a legend to the map with colors and size number as a reference.
- Add earthquakes magnitude and increase the size according to the size.
- Add an additional map layer to preview in different map styles with **Leaflet**.

SKILLS AND TOOLS

- NoSQL data stores (MongoDB), MySQL, Firebase, SQLite
- D3.js, Tableau, Css, Bootstrap, MATLAB
- Python, C, C++, Java, Javascript, R, Kotlin, Pandas, React.