

Lydia Delgado Uriarte

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Software Engineer with background in development of websites and software platforms that satisfies user experience, with consideration of performance, functionalities and testing. Earned a certificate Data Analytics Bootcamp in Tecnológico de Monterrey Jun 2022.

EDUCATION

Instituto Tecnológico de Estudios Superiores de Monterrey
Data Analytics and Visualization Certificate

Certificate
12/2021 - 06/2022

Instituto Tecnológico de Estudios Superiores de Monterrey
B.S in Computer Science and Technology.

Cumulative GPA: 3.4 Grade: 92/100
08/2020- 06/2024

Courses

- C++, Python, R, MYSQL and MATLAB courses
- Linear Algebra, Discrete Math.
- Data Structures C++ course.

Instituto Tecnológico de Estudios Superiores de Monterrey
Highschool Technical baccalaureate in programing

GPA: 3.4 Grade: 91/100
08/2017 - 05/2020

SKILLS AND TOOLS

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

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**.

Languages

Spanish
Native

English B2
Full Professional Proficiency

French A2
Limited Working Proficiency

Experience

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 Android Studio to set donation goals for the company. The objective of this application is to help people make food donations and monetary donations.

Technologies using: Kotlin, Firebase, Google Maps API.