

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
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
Data Analytics and Visualization Bootcamp

[Certification](#)
12/2021 - 06/2022

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
- Python, C, C++, Java, Javascript, R, Kotlin, Pandas
- D3.js, Tableau, Css, Bootstrap, MATLAB

PROJECTS

House Pricing

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

- 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, Javascript technologies.

Statistical Deep 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

Use GeoJSON data 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.

Languages

Spanish
Native

English B2
Full Professional Proficiency

French A2
Limited Working Proficiency

Volunteer Experience

Currently volunteering in BANMX as a developer, with the objective to develop an application on Android Studio that will help people make food donations and monetary donations. **Technologies using:** Kotlin, Firebase, Google Maps API.