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　　*Cumulative GPA: 3.4　Grade: 92/100*
B.S in Computer Science and Technology.　　　　　　　　　　　　*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　　Certification
Data Analytics and Visualization Bootcamp　　　　　　　　　　　12/2021 - 06/2022

Instituto Tecnológico de Estudios Superiores de Monterrey　　*GPA: 3.4　Grade: 91/100*
Highschool Technical baccalaureate in programing　　　　　　　　*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.
- 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** 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
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	English B2	French A2
Native	*Full Professional Proficiency*	*Limited Working Proficiency*

Volunteer Experience

Banco de Alimentos de México, Guadalajara　　　　　　　　　*08/2022 - 10/2022*
Currently volunteering in Banco de Alimentos de México (BAMX) 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.