

## CONTACT

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lydiadel.github.io/Portfolio/

## PROFILE

Currently a fourth year student from Tecnológico de Monterrey, Did an exchange in France at the university **ESIEE PARIS** specialized in **Artificial intelligence** and cybersecurity. During this time I developed **machine learning predictive models**, summarizing efficiency and high-performance metrics. This experience in France has not only enhanced my proficiency in **French** but has also allowed me to expand my professional network.

## TOOLS

- Python
- Pandas
- React
- Tableau
- C / C++

## SOFT SKILLS

- Responsibility
- Communication
- Flexibility
- Teamwork
- Adaptability

## LANGUAGES

- English B2
- French B1
- Spanish Native

# LYDIA DELGADO

## SOFTWARE ENGINEER

### EDUCATION

<b>Instituto Tecnológico de Estudios Superiores de Monterrey</b> <ul style="list-style-type: none"><li>• Major B.S in Computer Science and Technology.</li></ul>	Graduation date: 08/2020 - 06/2024
<b>ESIEE Paris   École supérieure d'ingénieurs en électrotechnique et électronique</b> <ul style="list-style-type: none"><li>• Erasmus exchange student for one semester.</li><li>• Courses: <b>French, Machine Learning, Deep learning.</b></li></ul>	09/2023 - 01/2024
<b>Instituto Tecnológico de Estudios Superiores de Monterrey</b> <ul style="list-style-type: none"><li>• Data Analytics and Visualization Certificate</li></ul>	12/2021 - 06/2022
<b>Instituto Tecnológico de Estudios Superiores de Monterrey</b> <ul style="list-style-type: none"><li>• Highschool Technical baccalaureate</li></ul>	08/2017 - 05/2020

### EXPERIENCE

<b>IBM, Guadalajara</b> Worked on developing a certification tracker with <b>IBM</b> . Gain experience in managing a project and employing agile development methodologies. In charge of developing all the different dashboards in <b>Tableau</b> connected to the <b>Mysql</b> , implement it in <b>React</b> . <ul style="list-style-type: none"><li>• <b>Technologies used:</b> React, MySQL, Tableau, Jira.</li></ul>	<a href="https://tinyurl.com/yc2a25e4">https://tinyurl.com/yc2a25e4</a>	02/2023 - 06/2023
<b>Devant, Mexico</b> Internship in Devant, took courses on <b>Tableau</b> and helped in <b>PowerBI</b> technologies development. Created <b>dashboards</b> and <b>visualizations</b> to help companies present their sales and advances in the market. <ul style="list-style-type: none"><li>• <b>Technologies used:</b> Tableau.</li></ul>		02/2022 - 12/2022

### PROJECTS

<b>BrakTooth Analysis</b> Elaborate a Braktooth Attack Analysis, generate a model that predicts if there is an attack or not with <b>Pandas</b> . <ul style="list-style-type: none"><li>• Put to <b>test different models</b> to verify which works best using the library <b>Scikit-learn</b>.</li><li>• <b>Summary</b> to understand each model <b>computation time</b> and <b>memory consumption</b>.</li></ul>	<a href="https://github.com/Lydiadel/BrakToothAttack_Analysis">https://github.com/Lydiadel/BrakToothAttack_Analysis</a>	
<b>Statistical Deep Analysis</b> Performed a statistical analysis on the indicator of fuel economy of cars (MPG) <b>using R</b> . <ul style="list-style-type: none"><li>• A summary statistics to see the data variance for each lot.</li><li>• <b>T-tests</b> to make comparisons between suspension coils.</li><li>• A <b>study design for future analysis</b> in MechaCar vs Competition.</li></ul>	<a href="https://github.com/Lydiadel/MechaCar_Statistical_Analysis">https://github.com/Lydiadel/MechaCar_Statistical_Analysis</a>	
<b>Mapping Earthquakes</b> Retrieve <b>GeoJSON</b> data using <b>Javascript</b> to analyze earthquakes and tectonic plates. <ul style="list-style-type: none"><li>• Add a legend to the map with colors and size number as a reference.</li><li>• Add earthquakes magnitude and increase the size according to the size.</li><li>• Add an additional map layer to preview in different map styles with <b>Leaflet</b>.</li></ul>	<a href="https://github.com/Lydiadel/Mapping_Earthquakes">https://github.com/Lydiadel/Mapping_Earthquakes</a>	

### VOLUNTEER

<b>Ballon Latam México</b> Volunteered at the enterprise Ballon Latam Mexico where I gave guidance to new entrepreneurs, dedicated to empowering individuals new to the business environment, I volunteer my time to proportionately introduce various tools and support them in utilizing these resources effectively making them increase their sales and impact.	<a href="https://acortar.link/yN0eru">https://acortar.link/yN0eru</a>	
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