

# DAMIAN ZAMORA

## Data Analyst

Python | SQL | Power BI | Autodidact | Proactive

Professional with experience as an analyst and developer of Python models, ETL processes and dashboards.

## Experiencie

**June 2022 – February 2023**

### Python Developer

At Grupo Salinas, I developed algorithms focused on processing and analyzing data of various types (geographical, qualitative, financial) according to business needs. He also automated tasks to speed up the delivery of other work within the team to which he belonged.

I was in charge of two projects that I developed individually, but in communication with my work team and with professionals from other areas:

**Getting of the distance traveled by the entire workforce in the field:** ETL process in charge of extract records from a database of all the employees at the national level who worked in field the day before, to subsequently obtain the distance of each one, and load it to another database.

**Unsupervised classification of clients at the national level:** Generate automatically spatial metrics between the localities that periodically present active clients with the central offices of the business.

I was also in charge of checking that the metrics of the applications in the databases had the adequate values, and if there was any alert was attended in that moment.

**January 2021– April 2022**

### Courses organizer and Instructor

I organized courses about technological applications in Earth Science.

I did activities like:

- Design forms to people interested in our courses.
- Design dashboards with Power BI to know where the potential clients are from and their profiles.
- The database to extract with SQL mainly the emails according to the kind of campaign we were in.

### Dashboards

I have some public dashboard about many different topics:

- IDA global credits for 60 years: [https://damianzar.github.io/Dashboard\\_IDA-Credits/](https://damianzar.github.io/Dashboard_IDA-Credits/)
- Behavior of City Bike users from 2020 to 2022: <https://tinyurl.com/2m7ypvu6>
- Box office of a blockbuster movie: <https://damianzar.github.io/spider-man/>

### Blog

I also created a blog on Medium, where I write articles about topics like machine learning, data visualization, computational history anecdotes, among others; in Spanish and English.

**2016 – 2018 Thesis**

I designed an **algorithm for an unsupervised classification** of satellite images to obtain time series that show changes in water and vegetation in a Natural Protected Area.

I presented it at the 1st International Conference on Geospatial Information Sciences, in October 2019. I got second place as the best paper presented by undergraduate and graduate students.

### Other Activities

In my free time, in addition to reading and doing other activities, I like to put into practice what I learn, so I have done small projects where I show some practical functionality.

## Contact



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<https://github.com/DamianZAR>



<https://damzar.medium.com>

## Education

October 2021 – March 2022

Zophia Learning

Data Engineering program

January – April 2021

IRONHACK México

Full-Time Data Analytics

Bootcamp

UNAM, Engineering School

Concluded in 2019

Geophysical Engineering

## Volunteering

- Founder member of the first EAGE (European Association of Geoscientists & Engineers) Student Chapter at UNAM. As part of the directive board, I organized activities such as talks, courses, participation in the Earth Sciences Conference, among others. In two consecutive years we obtained the second and third place as the best EAGE student chapter worldwide.
- I was part of the brigades organized at UNAM, as leader for structural damage inspection, and as a member of the manual work team for debris removal. This was to help the victims of the earthquake of September 19.

## Language

Español – Native

English – B2