

GERARDO PEREZ

MATH ENGINEER

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ABOUT ME

Data enthusiast experienced in multiple projects: own and collaborative. I'm quite confident of myself and have great aspirations. If I don't have the answer, I'll find it; if I don't know how to do something, I'll learn it.

WORK EXPERIENCE

Accenture

Application Development Associate

Monterrey, NL (August 2021 - January 2022)

- Built web pages using Power Apps Portals and HTML.
- Designed mobile applications using Canvas apps that, with Power Automate, made day to day easier for customers.

Digital Public Innovation Agency

Intern

Mexico City, CDMX (January 2021 - August 2021)

- Developed cleaning algorithms for databases using R.
- Designed Github repositories for information exchange.

PROJECTS

Virtual Assistant with Voice Recognition

(November 2022)

- Feature extraction of audio files that feeds a neural network that recognizes the user through voice.
- Voice assistant that uses Google API to improve speech-to-text.
- Created an SQLite schema to store data of neural network, audio features and users preferences.

Gender Classification Using Machine Learning

(May 2022)

- My team and I designed a gender classifier using ML and Mel Coefficients.
- Automatized the features extraction for the audio files.

Predicting Scholar Dropout

(July 2022)

- I supported a project that pretended predict scholar dropout by using deep learning algorithms in Python.

Electrical Potential in Eccentric Capacitors

(May 2021)

- Created an algorithm in C able to make transform two eccentric capacitors into a plate by a Möbius transformation for an easier analysis.
- Using R, I made a heatmap of the plate obtained in the previous step.

Multiple Linear Regression in Biomedical Engineering Applicants

(January 2021)

- With the DDBB proportioned by the Autonomous University of Chihuahua, made an analysis in Minitab of students behavior whom were accepted.
- Same analysis was implemented in R.

EDUCATION

Autonomous University Of Chihuahua

Chihuahua, Chih (2018 – 2022)

- Bachelor of Mathematics (Math Engineering)
- Cumulative Average: 91%

SKILLS AND INTERESTS

Technical Skills Python, R, SQL, Git, C

Languages Spanish; English (Upper Intermediate)

Interests Reading, Sports, Traveling