Cristian Juarez

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Professional Porfile

Graduate at the UNAM with a high level in mathematics, GIS, science and programming, interested in learning Natural Language Processing and AI. I am a loyal follower of open-source technology and also an advocate for free access to education for everyone.

Education

Bachelor's degree in Earth Sciences *National Autonomous University of Mexico (UNAM)*
Specialization in applied geophysics *August 2018 - June 2022*
Thesis: "Multifractal analysis of the 2020-2021 seismic swarm in Uruapan, Michoacán".
Advisor: Dr. Angel Figureoa-Soto

Experience (Carrer summary)

Bachelor's thesis *September 2022 - May 2023*
Thesis student *Research Institute for Earth Sciences (INICIT)*

- Carried out a statistical and geospatial study of the swarms that occurred in Uruapan, Michoacan, and applied a multifractal analysis to understand the current and future evolution of the time series of the swarm.
- Performed seismological research to understand the complex swarm in Uruapan, Michoacán through the analysis of its temporal evolution and features.
- Wrote a bachelor's thesis to share the results of the investigation with the scientific community.

Academic Writing Course *August 2022 - May 2023*
Learner *UNAM*

- Development of academic writing skills in a variety of academic and professional contexts in English.

Intership at Laboratory LAIDEA *March 2022 - September 2022*
Intern researcher *UNAM*

- Designed and applied an innovative method to understand the relationship between rocks' electrical and physicomechanical properties.
- Data visualisation and interpretation of research results.
- Dissemination of results with the public and private sectors.

Language proficiencies

Spanish	Native speaker
English	Advanced (C1)

Technical skills

Advanced coding	Python, R, LaTeX
Software	Git, Windows, Linux
GIS	Qgis, ArcMap

Volunteering

Firefighters   Support to the city's fire brigade in various emergency situations.