

JAIR ALFREDO CUETO ANGULO

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Education

Universidad de Guadalajara (UDG)

Sep 2020 - Present

Master of Science in Geophysics; GPA: (93.91/100.00)

Puerto Vallarta, Jalisco

Thesis: Analysis of the statistical properties of seismicity in Los Humeros Volcanic Complex (LHVC)

Advisor: PhD Claudia Beatriz M. Quinteros Cartaya

Relevant Coursework: Time Series Analysis, Seismology I, GIS I, Geostatistics, GMT and Inversion Theory

Awards: CONACYT Postgraduate Scholarship in Mexico

University Juarez Autonomous of Tabasco (UJAT)

Jul 2013 - Dec 2018

Bachelor of Engineering in Geophysics; GPA: (8.46/10.0)

Cunduacán, Tabasco

Relevant Coursework: Geophysical Modeling, Seismology, Seismic and Electrical Prospecting, Oil seismic data processing, Petrophysics and Geophysical records of wells.

Awards: Social Service Scholarship | Mexican Petroleum Institute

Work Experience

Sistemas de Información Geográfica S.A. de C.V.

Mar 2020 - Sep 2020

Geoanalysis Specialist

Villahermosa, Tabasco

Developed of marine monitoring applications from Synthetic Aperture Radar (SAR) images:

- Detected marine objects, ships, oil spills and natural seeps.
- Estimated of ocean wind speed and direction.

Sistemas de Información Geográfica S.A. de C.V.

Oct 2019 - Mar 2020

Training in GIS

Villahermosa, Tabasco

Designed and implementation of GIS solutions projects for Oil and Gas:

- Modeled of geological formations and oil well trajectory.
- Developed of geoprocess automation with Python Notebook in ArcGIS PRO.

Seismic Technology S.A. De C.V.

Mar 2018 - Dec 2018

Internship

Villahermosa, Tabasco

2D land and marine seismic data processing:

- * Quality control (QC)
- * Correction of residual statics
- * Elimination of bubbles and phase adjustment
- * Noise removal (coherent and random)
- * Stacking speed model, RMS, time interval
- * NMO correction
- * Multiple attenuation (SRME, WEMA, Radon transform tau - rho)

Academic Experience

1st Summer School “Principles of Earthquake Location and its Correlations with Seismic Network Designs”

Aug 16 - 20, 2021

International Association for Seismology and Physics of the Interior of the Earth (IASPEI)

Virtual mode

XIX School of Probability and Statistics

Apr 19 - 23, 2021

Center for Research in Mathematics, AC (CIMAT)

Guanajuato, Gto.

President of the Student Chapter AMGE - UJAT

Jan 2018 - Jan - 2019

Mexican Association of Exploration Geophysicists (AMGE)

Cunduacán, Tabasco

Organized of courses, workshops and conferences, related to the dissemination of research and application of geophysics. Consolidate alliances and strengthen relationships with associations, companies and other student chapters of Mexico.

Summer Scholarship of Scientific and Technological Research of the Pacific XXII

Spring 2017

UNAM, Geosciences Center

Juriquilla, Querétaro

Summer Scholarship of Scientific and Technological Research of the Pacific XXI

Spring 2016

UDG, Center for Seismology and Volcanology of the West

Pto. Vallarta, Jalisco

Languages

English	Intermediate: B2 Independent User	● ● ● ● ○
Spanish	Native Competition	● ● ● ● ●

Technical Skills and Interests

Programming Languages: Python, Matlab, R

Seismic Processing / Interpretation:: ObsPy, Seismic Unix, OpenCPS, OpendTect, Petrel

Mapping: GMT, QGIS, ArcGIS Pro, Surfer, Oasis Montaj

Interests: Latin American Literature and Cult Movies

Conferences and Presentations

J. Cueto, C. Quinteros, A. Figuero-Soto and M. Calò. (2021). *Resultados preliminares del análisis espacio - temporal de la sismicidad en el Complejo Volcánico Los Humeros (LHVC)*. Virtual Oral Presentation. Reunión Anual de la Unión Geofísica Mexicana (RAUGM).

J. Cueto, L. Romero and V.H. Márquez-Ramírez. (2017). *Clasificación y procesamiento de datos sísmicos del volcán Ceboruco, Nayarit*. Poster presentation. VIII Congreso Nacional de Estudiantes de Ciencias de la Tierra (CNECT).

Courses and Certifications

- SAR Remote Sensing - Introductory Level | National Commission for Space Activities | ID: lSJ3PyUb2A
- Optical Remote Sensing - Introductory Level | National Commission for Space Activities | ID: U84EBVHP0o
- Understanding and Visualizing Data with Python | University of Michigan | ID: ZYRZC3FFK4QJ
- Seismic Data Analysis Basic Level | National Seismological Service | ID: 585
- Foundations of Data Science: K-Means Clustering in Python | University of London | ID: 88GNTBM873PH
- Introduction to the use and representation of geospatial information | Center for Research in Geospatial Information Sciences
- Oil & Gas From Exploration to Distribution | Total, IFP School & Fundación YPF
- RigPass: Onshore & Offshore | International Association of Drilling Contractors | ID: SX000081358
- Oil & Gas Industry Operations and Markets | University Duke | ID: 4DYRVZBG5ARN
- Spatial Data Science: The New Frontier in Analytics | Environmental Systems Research Institute
- Cartography | Environmental Systems Research Institute
- Introduction to geothermal | National Autonomous University of Mexico | ID: BB4F7NQ65WP
- The Dynamic Earth: A Course for Educators | American Museum of Natural History | ID: MH6LJTUQ8AKJ
- Oceanography: a key to better understand our world | University of Barcelona | ID: MD4C3NF7PRRE

Professional Affiliations

Member, Seismological Society of America (SSA) | 2020 - Present

Member, Asociación Latinoamericana de Volcanología (ALVO) | 2019 - Present

Member, Mexican Association of Exploration Geophysicists (AMGE) | 2017 - Present