

Albert Leonardo Aguilar Suarez

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EDUCATION

UNIVERSIDAD NACIONAL DE COLOMBIA

Bogotá

BS IN GEOLOGY

August 2013 - Present

Expected Dec 2018

Cumulative GPA 4.2/5.0

ESCUELA NORMAL SUPERIOR DE OIBA

Oiba, Santander

Grad. Dec 2012

SKILLS

PROGRAMMING

- Python
- Matlab
- Fortran
- Shell
- Slurm
- \LaTeX

OPERATING SYSTEMS

- Unix Linux
- Windows
- Mac OS

SOFTWARE

- SEISAN
- HypoDD
- GrowClust
- Petrel
- Opendtect
- Oasis

LANGUAGES

Spanish	Native
English	Fluent
German	Elementary

EXPERIENCE

HARVARD UNIVERSITY

| UNDERGRADUATE RESEARCHER

June 2018 - Present

Undergraduate researcher of the International Internship in Subduction Zone Science, program sponsored by Incorporated Research Institutions for Seismology (IRIS). The research focuses on earthquake detection and location in subduction zones. The work is supervised by Professor Marine Denolle.

UNIVERSIDAD NACIONAL DE COLOMBIA

| TEACHING ASSISTANT

August 2017 - present

Assigned tutor to the subject Internal Geodynamics.

| TEAM LEADER

August 2017 - December 2017

Mentor accompanying Fundamentals of Mechanics.

RESEARCH

PHYSICS OF EARTHQUAKES |

2017-Present

Currently I am engaged in seismology research, studying the dynamic and static source parameters of Colombian earthquakes under the advisory of Professor Germán Prieto.

GEOMODEL | GEOPHYSICS STUDY GROUP

2015-Present

The group is intended to drive students to the implementation of computational tools in the analysis and modelling of geophysical and geological data of different nature using specialized software and programming languages. Since the beginning of 2017 I have been leading the group activities organizing lectures and classes on wave theory, seismology, exploration geophysics and geostatistics complemented with computational exercises.

COMPLEMENTARY COURSES

Advanced MATLAB for scientific computing

Stanford online - Lagunita

September - December 2017

Reservoir geomechanics

Stanford online - Lagunita

April - June 2017

Seismic Interpretation

Colombian Association of Petroleum Geologists and Geophysicists

March 2017

LINKS

Personal webpage:
www.alaguilars6.wixsite.com/site

LinkedIn:
www.linkedin.com/in/albert-aguilar-8a8aa8115/

Geomodel Facebook page:
www.facebook.com/Geomodelunal/

AWARDS

2018 Seismological Society of America International Student Travel Grant
2013 Best admission exam score Universidad Nacional de Colombia

CONFERENCE PAPERS

Aguilar, A.L., Denolle, M., Prieto, G.A., DeShon, H. A Decade of Seismicity in the Shallow Subduction Zone of Nicaragua-Costa Rica. American Geophysical Union Fall Meeting, December 10-14, 2018, Washington D.C.

Aguilar, A.L., Prieto, G.A. Spatiotemporal evolution of Source Properties in the Colombia-Huila Seismic Sequence. Seismology of the Americas, May 14-17, 2018, Miami -Florida.

Aguilar, A.L. Small Town Geoscientist, Scientific Outreach for Better Communities in Colombia -Lightning Talk-.Seismology of the Americas, May 14-17, 2018, Miami -Florida.

SOCIETIES

American Geophysical Union (AGU)
Seismological Society of America (SSA)
Society of Exploration Geophysicists (SEG)
American Association of Petroleum Geologists (AAPG)