

# EVELIN G. GUTIERREZ

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## Summary

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Six years of experience as geologist mainly focused on petroleum geology, with experience in exploration, and reservoir characterization, in addition to geological monitoring of drilling operations and complementary exploration methods. My current interests include the integration of numerous data sets from different techniques to understand the sedimentary responses in foreland basin systems to geodynamic processes related to adjacent orogenic belts. My goal is to elucidate the impact of these changes on the structural and stratigraphic elements defining foreland basins and their hydrocarbon systems.

## Education

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### The University of Texas at Austin, Jackson School of Geosciences

Expected May 2018

Master of Science in Geological Sciences

**MS Thesis Title:** Detrital zircon U-Pb provenance and seismic structural analyses, Oriente Foreland Basin - Ecuador

- Advisor: Dr. Brian K. Horton, Committee Members: Dr. Ron Steel and Dr. Peter Hennings.

**Relevant courses:** Structural Seismic Analysis, Sedimentary Basin Analysis, Clastic Depositional Systems, Dynamic Field Stratigraphy, Isotope Geology

### Escuela Politecnica Nacional, Quito – Ecuador

April 2011

Degree in Geology Engineering, Academic Honor: Cum Laude

**Geology Engineer Thesis:** Geological Characterization using well-log data and 2D/3D seismic in the Pre-Cretaceous Sequence, Block 15, Oriente Foreland Basin, Ecuador

- Advisor: MS Ramon Vera

**Relevant courses:** Structural Geology, Mineralogy, Petrography, Geochemistry, Optical Mineralogy, Sedimentology & Stratigraphy, Historical Geology & Paleontology, Geophysics, Sedimentary Petrology, Metamorphic Petrology, Igneous Petrology, Tectonics, Petroleum Geology, Field Geology I, Field Geology II, Sedimentary Basins Seminar

## Professional Experience

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### The University of Texas at Austin, Austin, TX-US

Sept. 2017 – January 2018

- *Teacher Assistant – Introduction to Geology Laboratory Sessions.*

### Formation Reservoir Solutions, Technical Professional I, Halliburton Latin America, Quito – Ecuador Dec. 2014 – June 2016

*Cretaceous Sequence, Oriente Basin (Ecuador)*

- Petrophysical Analyses
- Conventional and Special Well Log Interpretation (Cased and Open Hole Logs)
- Customer Assessment in Production Opportunities

### Exploration Department, Junior Geologist, Petroamazonas E.P., Quito – Ecuador

April 2011 – Dec. 2014

*Pre - Cretaceous Sequence Exploration, Oriente Basin (Ecuador)*

- Leading exploration program, Pre – Cretaceous sequence, Oriente Basin Ecuador
- Drilling campaign 2012-2014
- Wildcats locations and deepening of standard Cretaceous wells
- Geological monitoring of drilling operations

*Cretaceous Sequence, Oriente Basin (Ecuador)*

- Geological & Geophysical Interpretation
- Analysis and evaluation of new prospects and other exploration opportunities
- Oil reserves estimation and risk analysis (Deterministic and probabilistic methods)
- Geological monitoring of drilling operations for Exploratory wells

## Undergraduate Experience

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- Exploration Department, Intern, Petroamazonas EP.**, Quito - Ecuador February 2010 – August 2010
- Thesis research: Geological Characterization using well-log data and 2D/3D seismic in the Pre-Cretaceous Sequence, Block 15, Oriente Foreland Basin, Ecuador
- Exploration Department, Intern, Ecometals Limited – Goldmarca**, Quito - Ecuador February 2009 - March 2009
- Database elaboration, Ecuadorian mining prospects

## Awards

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- Graduate Student Research Grant - Geological Society of America (2017) April 2017
- Full Scholarship - SENESCYT Fellowship Program. September 2014

## Skills and Training

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### Software:

- Adobe Suite:** Adobe Illustrator, Adobe InDesign,
- Industry Related software: GIS:** ArcGIS, **Petrel, Landmark Suite** (Decision Space Desktop, Geoprobe, Power View, Seisworks, Syntool, Stratworks, MapView, Zmap) and **Interactive Petrophysics**

### Training:

- Reservoir Surveillance Solutions Workshop, Programa de entrenamiento para Halliburton, Instructor: Ivo Foianini, Houston-Texas, United States of America, March 2015
- “Interpretation and Mapping using Dynamic Framework to Fill”, Training program for Petroamazonas EP, Landmark - Halliburton, Instructor: Ricardo de Oliveira, Quito - Ecuador. November 2013
- “Fundamentals of Basins analysis and modeling”, Training program for Petroamazonas EP – PDVSA, Instructor: PhD. José Noya, Quito – Ecuador. June 2013
- “Sedimentary Environments Evaluation and Micro-Resistivity Images Integration”, Training program for Petroamazonas EP – Halliburton, Instructor: PhD. Cristian Vallejo, Quito - Ecuador. February 2013
- “Fundamentals of Sequence Stratigraphy”, American Association of Petroleum Geologist (A.A.P.G.), Instructor: PhD. John Holbrook, Quito - Ecuador. November 2012
- “XI BOLIVARIAN SYMPOSIUM: Petroleum Exploration in Subandean Basins” Geophysicist and Geologist Colombian Association Attendant, Cartagena – Colombia. August 2012
- “Oil Geochemistry”, Training program for Petroamazonas EP - GEMS S.A., Instructor: Eng. César Mora Hernández, Quito – Ecuador. May 2012
- “Petrel Geophysics”, Training program for Petroamazonas EP - Schlumberger Surencó S.A., Instructor: MSc. Juan Carlos, Hidalgo, Quito - Ecuador. March 2012
- “Petrel Geology”, Training program for Petroamazonas EP - Schlumberger Surencó S.A., Instructor: MSc. Juan Carlos Hidalgo, Quito - Ecuador. January 2012
- “Compressive systems and fold and thrust belts evolution”, Training program for Petroamazonas EP., Instructor: PhD. Cesar Witt, Quito - Ecuador. November 2011
- “Vertical Seismic Profiles”, Training program for Petroamazonas EP - Baker Hughes – Baker Atlas Instructor: Nelson Oriach, Quito – Ecuador. July 2011
- “Development Geology”, Training program for Petroamazonas EP. in association with A.A.P.G, Instructor: Richard Erickson, Consultant, Quito - Ecuador. October 2010
- “Log Well Seminar”, National Polytechnic School - Baker Hughes – Baker Atlas, Quito - Ecuador. April – May 2007
- English Sufficiency Certificate, National Polytechnic School. Quito - Ecuador. March 2007

## Publications

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- Gutierrez E.**; Horton B.; Vallejo C, Late Cretaceous-Paleogene Foreland Basin Development in the Subandean Zone and Oriente Basin of Ecuador: Provenance, Geochronological and Structural Insights, AAPG Annual Convention & Exhibition, Salt Lake City, Utah, May 2018, Oral Presentation, Accepted
- Gutierrez E.**; Horton B.; Vallejo C, Provenance and geochronological insights into Late Cretaceous-Paleogene foreland basin development in the Subandean Zone and Oriente Basin of Ecuador, AGU Annual Meeting, New Orleans, December 2017, Poster Presentation
- Gutierrez E.**; Horton B.; Vallejo C; Jackson L.; George S, Sediment routing in the Oriente Basin, Ecuador: Detrital zircon and seismic insights into Cenozoic paleodrainage and paleogeography, Jackson School of Geosciences Student Research Symposium, Austin, February 2017, Poster Presentation