

Daniel Maya

Houston, TX 346-453-6998 dmayaortiz@uh.edu <https://www.linkedin.com/in/daniel-maya-4b2b91202/>

EDUCATION

Ph.D. in Geology, University of Houston, Houston, TX Expected May 2027

Thesis: Tectonostratigraphy and crustal architecture of Punta del Este and Pelotas basin, Uruguayan margin.

- GPA: 3.3
- Coursework: Basin Analysis for Petroleum Exploration (Dr. Mann), Seismic Structural Geology (Dr. Suppe), Petroleum Prospecting Workshop (AAPG IBA – Dr. Mann), Petroleum Exploration Rifted Passive Margins (Dr. Mann)
- Basin modeler of IBA team UH 2024, prospect exploration and development in Alaska, Bristol Bay Basin.
- Coordinator of Structure and Tectonic Seminar Spring 2024.
- Advisor: Dr. Paul Mann

B.S. in Geology Engineering cum laude, Escuela Politecnica Nacional, Quito, Ecuador Nov 2022

Thesis: Stratigraphy, Sedimentology, and Geochemistry of the Hollin Formation in the Sub-Andean Zone

RESEARCH EXPERIENCE

Research Assistant, Conjugate Basins Tectonics and Hydrocarbons Consortium, U.H. Aug 2023 – Present

- Collaborated with Dr. Mann to conduct basin modeling of Argentinean Northern offshore basins for hydrocarbon exploration
- Analyzed seismic 2D interpretations, stratigraphy, and tectonics to give new insights into the petroleum systems of offshore Argentina

Research Study Assistant, National Geological Survey, Ecuador Aug 2021 – Jan 2022

- Promoted the use of renewable and non-renewable resources by compiling a comprehensive data set of every geochronological Equatorian land study and analyzing the integrated database
- Illustrated all geochronological points in the database using GIS

WORK EXPERIENCE

Junior Geologist, Best Energy Service S.A., Quito, Ecuador Dec 2022 – Jan 2023

- Completed volumetric calculations of OOIP, generated Petrophysic correlations and stratigraphic correlations between wells to extrapolate to another prospective field (Saywa, Lumbaqui, VHR-E, VHR-O, and TTT-S) for drilling. With outstanding results reviewed by my supervisors.

Operation Intern, Pluspetrol Ecuador B.V., Quito Ecuador Aug 2022 – Dec 2022

- Studied the petroleum surface facilities of block 10 in the Oriente basin of Ecuador and assisted production team members with managing the control room

Reservoir Development Intern, Respol Ecuador S.A., Quito, Ecuador Feb 2022 – Aug 2022

- Renovated the petrophysical data with conventional and special core studies
- Effectuated the rock typing equations for every camp of blocks 16 & 67 at the Oriente basin of Ecuador through Amaefule et al. (1993) methodology.

PUBLICATIONS

- **Maya, D.**, Romero Córdor, C., Pazmiño, P., & Oñate, L. (2022). Ciclos Magmáticos En El Registro De Edades U-Pb En Circones Detríticos De La Cuenca Oriente Y Zona Subandina, Ecuador. <https://doi.org/10.13140/RG.2.2.23741.54244>.
- **Maya Ortiz, D. S.** Estratigrafía, Sedimentología y Geoquímica de las Formaciones Chapiza y Hollín en la Zona Subandina. (Bachelor Thesis, Quito: EPN, 2022). <http://bibdigital.epn.edu.ec/handle/15000/23177>.
- Pulupa, R., Calderón, E., Romero Córdor, C., Torres, J., Carranco, F., Gramal, A., Pazmiño, P., and **Maya, D.** (2022). Discriminación Litoestratigráfica, Petrográfica y Geoquímica De La Formación Tarqui En El Corte Cañar - Azogues.

LEADERSHIP

Vice President, American Assoc. of Petroleum Geologists Wildcatters UH, Houston, TX Aug 2023 to Present

- Organized professional lectures and workshops for members as the Cohead of the EPN Student Chapter

President, American Assoc. of Petroleum Geologists Young Professionals, Quito, Ecuador Jan 2023 – Jan 2024

- Promoted the energy industry to aspiring professionals through professional events and networking

Vice President, American Assoc. of Petroleum Geologists-EPN student chapter, Quito, Ecuador Aug 2022 to Nov 2022

- Organized professional lectures and workshops for members as the Cohead of the EPN Student Chapter

PROFESSIONAL AFFILIATIONS

- **American Association of Petroleum Geologists, AAPG**, Quito, Ecuador 2019 - Present
- **Asociación Colombiana de Geólogos y Geofísicos del Petróleo**, Bogotá, Colombia 2022 - Present
- **Houston Geological Society**, Houston, TX 2023 – Present
- **Geophysical Society of Houston**, Houston, TX 2023 – Present

PROFESSIONAL PRESENTATION

- Structure and Tectonic Seminar Fall 2023: Transferring Effective Play Concepts from Hydrocarbon Discoveries in Namibia's Deep-Water to its Conjugate Margin in Argentina.
- 25th Sheriff Lecture University of Houston: Could Argentina's deepwater, rifted-passive margin be as prolific in hydrocarbons as its Namibian conjugate margin? - Results from 1-D basin modeling.

SKILLS

- **Dry Lab:** Granulometry test, FRX, stratigraphy, sedimentological interpretation, and petrography recognition.
- **Software:** Petrel, Oasis Montaj, QGIS, Adobe Illustrator, GCDkit, Excaliber, Trinity-Genesis, Office
- **Languages:** Bilingual in English and Spanish