

## Personal Profile

Geologist (MSc, Lakehead University – Canada) with 19 years of experience in mineral exploration and applied geochemistry across Colombia, Canada, and China. Experience working in Archean greenstone belt terrains, with an understanding of volcanic–sedimentary sequences, intrusive rocks, and structurally controlled mineralization systems. Skilled in coordinating multidisciplinary teams. My core expertise includes geochemical data interpretation, QA/QC procedures, geochemical mapping, drill core logging, and field sampling (soils, stream sediments, rocks). I have experience integrating geological, structural, and geochemical datasets to support target generation in both greenfield and brownfield projects. Experienced in database management and advanced use of GIS and commercial software (ArcGIS, MapInfo and IoGas). I have led and supported projects at different stages of exploration, integrating technical, regulatory, and social aspects. Skilled in conducting fieldwork in challenging environments and engaging with stakeholders and communities (government, Indigenous and minority groups). Recognized for ethical leadership and multidisciplinary collaboration, I combine technical credibility with strong interpersonal skills to deliver high-quality outcomes.

## Professional Experience

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### Specialized professional (Geologist).

Sep 2025 – present

Servicio Geológico Colombiano SGC (Colombia Geological Survey), Colombia.

- Integrate geochemical data with geoscientific information to define baselines and model mineral accumulation zones, as well as their relationship with the natural environment. Participate in the acquisition, analysis, and interpretation of geochemical information following SGC protocols.

### Teacher Assistant.

Sep 2023 – April 2025

Lakehead University, Canada.

- Assist in the classroom with activities related to the courses— teach class labs, mark student labs and quizzes. Motivate students in the laboratory and clear doubts related to the topics.

### Compilation Geologist.

Jun 2023 – Aug 2023

Wyloo (Ring of Fire Metals), Canada.

- Compiled and digitized historical geochemical, geophysical, and drilling data from platforms using MapInfo software and Excel spreadsheets to support nickel exploration for Rof Metals. Write reports to the Manager, Lands & Data.

### Specialized professional (Geochemical).

Apr 2016 – Dec 2022

Servicio Geológico Colombiano SGC (Colombia Geological Survey), Colombia.

- Project manager of the applied geochemistry group of the Colombian Geological Survey.
- Participated in the acquisition of geoscientific information related to geochemical sampling and metallogeny for different targets (gold, copper, PGE, Ni, phosphate, REE and black sands). Compilation and organization of geological information, geochemistry, and mineralogy for geochemical evaluation on areas of mineral interest.
- Developed geochemical atlases of Colombia (2016, 2018, 2020 and 2022 versions).
- Agreement on the cooperative project of low-density geochemical mapping in Colombia - China.
- Participate in the development of GIS coverage for information analysis.

### Young Scientist in Geochemistry

Apr 2015 – Apr 2016

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# Adrian Perez Avila

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Institute of Geophysical and Geochemical Exploration CAGC, China.

- Conduct geochemical research focused on mineral resources and environmental geochemistry, particularly in the research field of global geochemical baselines and China-South America cooperation projects. Geochemical mapping, field sampling, data quality control, data interpretation, and writing reports and scientific papers.
- Exploration geochemistry and Mineral Resource Exchange of knowledge geoscientist, learning techniques of exploration geochemistry.
- Writing of reports for the China Geology Survey.

## **Specialized professional (Geologist).**

May 2013 – Apr 2015

Servicio Geológico Colombiano SGC (Colombia Geological Survey), Colombia.

- Implement projects in the exploration of mineral resources (Metal Mineral, Non-Metallic and Energy) according to institutional requirements and guidelines of the organization.
- Acquire, compile, and organize the basic information for the exploration of subsurface resources in accordance with the process of research and evaluation.
- Sample collection for chemical analysis and petrography; digitization of information collected. Activities related to the implementation or upgrade of quality management systems.

## **Geologist Project Manager.**

Jan 2011 – Apr 2013

GAIA-ENERGY Colombia. Belonging to the Canadian company U3O8 corp.

- Responsible for exploration processes, core drilling, description of cores, sampling and data analysis.
- Studies of geochemical and geophysical prospecting in new areas of interest for exploration projects.
- Ensured timely updates of both physical and digital exploration data information needed for operational planning and project formulation (Mappings, drawings, samples).
- Managed reporting of exploration results and project developments in the exploration phase for NI 43101

## **Specialized professional (Geologist).**

Apr 2008 – Dec 2010

Servicio Geológico Colombiano SGC (Colombia Geological Survey), Colombia.

- Preparation of geological maps at a scale of 1:25,000, sampling geochemical and geophysical, anomaly geochemical and geophysical maps, and preparation of technical reports.
- Geological interpretation, geomorphological and structural interpretation of satellite imagery, digital terrain models, geologic mapping, stratigraphic columns and samples of fossils, rocks and minerals, laboratory sample preparation, and preparation of geological reports.
- Geological mapping revision in the sectors identified as outliers, geochemical sampling and geophysical for Uranium in the study areas.

## **Junior Geologist.**

May 2006 – Apr 2008

Universidad Industrial de Santander, Colombia.

- Geological mapping of the Eastern Emerald Belt, Colombia, map 189 (La Palma) and 169 (Puerto Boyacá). Geological mapping, field work, collecting samples, stratigraphic survey and preparation of columns, sample preparation for analysis and petrography, photo interpretation and preparation of final maps.

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## Education

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## Master of Geology

Lakehead University- Canada

May 2023– Jul 2025

## Diploma in certification and valuation of mining properties.

Universidad Pedagógica y Tecnológica de Colombia - Colombia

Jan 2013 – Jun 2013

## Diploma in the use of new technologies.

Universidad Industrial de Santander - Colombia

Jun 2002 – Mar 2003

## Bachelor of Geology

Universidad Industrial de Santander - Colombia

Jan 1997 – Mar 2006

## Languages

Spanish: Native

English: Professional working proficiency

## Key Skills:

Geochemical data interpretation, QA/QC procedures, geochemical mapping, IoGas, GIS (ArcGIS, MapInfo), drill core logging, field sampling (soils, stream sediments and rocks), multidisciplinary collaboration, database management (Excel, Access), data integration & technical analysis (geochemistry, GIS, Leapfrog), study & project management, stakeholder & community engagement and multi-disciplinary team leadership

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## Relevant scientific papers

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- Stephan, T., Phillips, N. J., Tiitto, H., Perez, A., Nwakanma, M., Creaser, R., & Hollings, P. (2025). Going with the flow — Changes of vorticity control gold enrichment in Archean shear zones (Shebandowan Greenstone Belt, Superior Province, Canada). *Journal of Structural Geology*, 201, Article 105542. <https://doi.org/10.1016/j.jsg.2025.105542>
- Batista, B., Prieto, G., Turel, A., Martin, I. & Perez, A. (2023). MANUAL OF GEOCHEMICAL METHODOLOGIES OF IBERO-AMERICAN COUNTRIES. Información geoquímica para la sociedad. Asociación de Servicios de Geología y Minería Iberoamericanos. ISBN: 978-84-09-52195-1.
- Demetriades, A., Lacassie Reyes, J.P., Astudillo, F., Oliva Vicentelo, P.S., Adánez Sanjuan, P., Pérez Avila, A. & Prieto Rincón, G., (2022). Overbank and Floodplain Sediment Sampling: Profiles. Annexe A3.5.1 in Chapter 3.5 In: Demetriades, A., Johnson, C.C., Smith, D.B., Ladenberger, A., Adánez Sanjuan, P., Argyraki, A., Stouraiti, C., Caritat, P. de, Knights, K.V., Prieto Rincón, G. & Simubali, G.N. (Editors), International Union of Geological Sciences Manual of Standard Methods for Establishing the Global Geochemical Reference Network. IUGS Commission on Global Geochemical Baselines, Athens, Hellenic Republic, Special Publication, 2, 293–305.
- Noel A. Tellez Irreño, Seiry Soleny Vargas, Adrian Perez Avila (2019). Uranio, en: Recursos minerales de Colombia, Vol 1. Bogota. Servicio Geológico Colombiano.
- Prieto, Gloria; López Isaza, Julián; Perez, Adrian; Moyano, Ismael. Potencial de recursos minerales metálicos en el territorio colombiano. *Análisis de ingeniería*, Vol 943, diciembre 15 del 2018. Pg. 50 - 55. Bogotá.
- Giovanni Moreno, Adrian Perez. (2014). Current state of uranium exploration in central Colombia: Regional perspective and selected case studies. International Symposium on 23–27 June 2014 Vienna, Austria. *Uranium Raw Material for the Nuclear Fuel Cycle: Exploration, Mining, Production, Supply and Demand, Economics and Environmental*, BOOK OF ABSTRACTS. Abstract 111. PP 174.
- Jairo Clavijo, Luís Mantilla, Jorge Pinto, Luís Bernal y Adrián Pérez. (2008). Evolución geológica de la serranía de San Lucas, norte del valle medio del Magdalena y noroeste de la cordillera oriental. *Boletín de Geología Universidad Industrial de Santander*, Vol. 30, N° 1, enero - junio de 2008.