

Diego Fernando Osorio Castiblanco

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EDUCATION

University of Minnesota Master of Geographic Information Science	Twin Cities, MN May 2023 GPA: 4.0
Universidad de los Andes Major: Bachelor of Science in Environmental Engineering Minor: English Language and Culture	Bogota, Colombia April 2019 GPA: 3.85

PROFESSIONAL EXPERIENCE

U-Spatial University of Minnesota GIS Technician <ul style="list-style-type: none">• Executing geospatial analyses and mapping projects for U-Spatial staff, academic personnel, and external clients• Creating and designing Esri web applications, including Dashboards and Hub• Addressing inquiries from students, faculty, and staff regarding GIS, remote sensing, and spatial computing• Offering support during GIS training workshops, U-Spatial events, and lectures	Twin Cities, MN June 2023 – Present
Polar Geospatial Center (PGC) University of Minnesota Geospatial Support Assistant <ul style="list-style-type: none">• Assisted polar researchers in geospatial data processing and custom map product creation• Conducted quality assurance/quality control (QA/QC) processes on polar geospatial data• Developed code in Python to automate large batches of aircraft imagery georeferencing	Twin Cities, MN June 2022 – May 2023
University of Minnesota Graduate Research Assistant <ul style="list-style-type: none">• Conducted supervised classification of high-resolution images in ArcGIS to calculate "penguin areas" for a National Science Foundation funded project analyzing emperor penguin population trends in Antarctica• Organized and maintained metadata for satellite images and shapefiles	Twin Cities, MN January – March 2022
District Secretariat of the Environment (SDA) GIS Engineer <ul style="list-style-type: none">• Performed spatial analyses to support the conservation, restoration, and maintenance of Bogota's urban and rural areas, with a focus on water resources• Oversaw technical searches, digitalization, georeferencing, and photo-interpretation activities in support of ecological restoration and maintenance efforts	Bogota, Colombia August 2020 – January 2021 March 2021 – July 2021
Universidad de los Andes Project Engineer <ul style="list-style-type: none">• Carried out both supervised and unsupervised classifications of the South American paramo landscape units• Managed the extraction, transformation, and loading of satellite imagery for the land-cover classification of the South American paramo	Bogota, Colombia February 2019 – May 2020

Cornell University

Ithaca, NY

Research Intern

June – August 2018

- Used quantitative methods such as spatial analysis, GPS, and experiments to collect life history information and build demographic models for invasive and native plants
- Classified vegetable material in the lab for herbarium collection and managed insect species in a USDA-approved quarantine facility for biocontrol experiments

International Association of Students in Economic and Commercial Sciences (AIESEC)

Salvador, Brazil

June–July 2017

Global Volunteer

- Taught children and teenagers of the Bagunçação NGO about different environmental problematics related to climate change to raise awareness about the need of establishing a sustainable development
- Developed school objects using recyclable materials to teach students about the importance of the circular economy and sustainability

JOURNAL PUBLICATIONS

Peyre, G., Osorio, D., François, R., & Anthelme, F. (2021). Mapping the páramo land-cover in the Northern Andes. *International Journal of Remote Sensing*, 42(20), 7777-7797.

Osorio-Castiblanco, D.F., Peyre, G. & Saldarriaga J.F. (2019). Physicochemical analysis and essential oils extraction of the gorse (*Ulex europaeus*) and French broom (*Genista monspessulana*), two highly invasive species in the Colombian Andes. *Sustainability*, 12(1), 57. <https://doi.org/10.3390/su12010057>

HONORS & AWARDS**Fulbright Scholarship**

2020

Awarded Fulbright Pasaporte a la Ciencia Scholarship to pursue a master's degree in the United States

100th percentile of the ICFES Saber Pro

2018

The Colombian undergraduate national test

Financial aid to carry out a research internship at Cornell University

2018

Grant awarded by the University of the Andes Foundation and the Charities Aid Foundation

Ser Pilo Paga

2014

A 100% merit-based, government scholarship to study the bachelor's program

SKILLS

Software systems: ArcGIS, eCognition, Pix4D, Python, R, Matlab, Visual Basic

Languages: Spanish (Native), English (Advanced), Portuguese (Intermediate)

Soft skills: Teamwork, Communication, Critical Thinking, Problem-Solving, Leadership