

Juan Sebastián Mendoza Páez

Forest engineer with a passion for using remote sensing and spatial statistics techniques to study climate and forest dynamics. I am enthusiastic about data visualization and building platforms to communicate research outcomes to a final user.

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Education

Forest Engineering — [Universidad Nacional de Colombia](#) Medellín
From August 2016 to June 2023

Certified course in programming skills with emphasis in web development — [Universidad de Antioquia](#) Online

From March 2021 to December 2021

Training in the programming languages Python, Java, JavaScript and web development libraries such as React.

Certified course in artificial Intelligence — [Universidad Sergio Arboleda](#) Online

From May 2022 to July 2022

Introduction to artificial intelligence techniques with emphasis in machine learning methods.

Software skills

R

- Solid knowledge of importing, manipulating, analyzing, modeling, and communicating processed information in this language.
- Ability to manipulate and process spatial data and integrate it with other GIS tools such as QGIS.
- Capacity to build dashboards using shiny package.

Python

- Proficiency with geopandas and rioxtarray libraries for working with geospatial data.
- Familiarity with scikit-learn and TensorFlow libraries to implement machine and deep learning techniques.

JavaScript

- Proficiency with the React library for building web applications.

Work experience

Satellite Imagery Analyst — [Universidad de Antioquia](#) Medellín
From August 2023 to December 2023

Contribution to the development of algorithms for processing satellite imagery in a project aimed at classifying land cover using deep learning techniques.

Languages

English

› TOEFL : 91/120

German

References

Jorge Andrés Giraldo

Ecosystem Conservation Area
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Academic interests

Climate Dynamics

Remote sensing

Forest modeling

Spatial analysis

Data visualization

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