



CAROLINA ACOSTA

ELECTRONICS ENGINEER, M.ENG.

PERSONAL PROFILE

I'm an electronics engineer with main interest on Data Analysis, Data Science and Data Visualization using Python, JavaScript and MATLAB. Passionate about learning and applying new technologies.

AREAS OF EXPERTISE

- Python, Pandas, Scikit Learn, SQL, PostgreSQL knowledge.
- Data Visualization using D3.js and JavaScript.
- Web scrapping using Xpath and selenium.
- MATLAB.
- Machine Learning.
- Digital Signal Processing.

WORK EXPERIENCE

DATA ANALYST / SCIENTIST

Fondo Nacional de Garantías (FNG) | 2021 - 2022

- Conceptualization and implementation of processes for extracting, standardizing, analyzing and visualizing data to be embeded in the new website of FNG.

DATA ANALYST

Servicio Geológico Colombiano | 2011 - 2016

- Monitoring and analysis of seismic and volcano-tectonic signals.
- Electronic instrumentation (seismic sensors).
- Research on the evolution of the volcanic activity based on seismology, geodesy, geophysics and geochemistry sensor data using MATLAB.
- Science dissemination to visitors and students.

LECTURER

Universidad Nacional de Colombia - Sede Manizales | 2008 - 2010

- Teaching undergraduate course on Electrical circuit analysis.
- Teaching undergraduate course on Computational structures.
- Teaching undergraduate course on Circuits and devices.

GET IN CONTACT

Home: (+576) 8870352
Mobile: (+57) 316-471-3764
carolina.acosta.m31@gmail.com
www.linkedin.com/in/carolina-acosta-munoz/
github.com/carolinaacosta31
Manizales, Colombia

EDUCATION HISTORY

UNIVERSIDAD NACIONAL DE COLOMBIA - SEDE MANIZALES

Master of Engineering | 2008 - 2010

- Scholarship for outstanding graduate students.
- Research assistant at the Control and Digital Signal Processing Group.
- Master's thesis: Multivariate analysis for the identification of flavor and fragrance generating components in food products.

UNIVERSIDAD NACIONAL DE COLOMBIA - SEDE MANIZALES

Bachelor degree in Electronics Engineering | 2003 - 2008

- Major on Digital Signal Processing.

TECHNICAL COURSES

Platzi.com | 2020 - 2022

- Regular expressions.
- Fundamentals of databases: SQL, MySQL and PostgreSQL.
- OOP and algorithms with Python.
- Data Analysis using Pandas.
- Computational statistics with Python.
- Fundamentals of Natural Language processing with Python and NLTK.
- Fundamentals of Web Scraping with Python, Xpath and Scrapy.
- Fundamentals of R.
- Git and GitHub.

FreeCodeCamp.com | 2021 - 2022

- Basic JavaScript.
- Data Visualization with D3.js