

JUAN JOSÉ ESCORCIA GONZÁLEZ

Mathematician, Data Scientist & Computer Scientist

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📍 Bogotá D.C., Cundinamarca

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ABOUT ME

Multidisciplinary mathematician with passion for data science, machine learning, research, education, and photography; with Leadership and co-operation skills to work in groups and manage them, with good logical thinking for optimal problem solving and love for always seeking to innovate through new ideas and new methodologies. I also have knowledge about teaching methods or educational models, and curriculum design for E-learning, B-learning and regular classes.

EXPERIENCE

BI Analyst SR

Dafiti Group

📅 September 2022 - July 2023 📍 Bogotá D.C., Cundinamarca

- Create and deploy live data tables for special events.
- Solve inquiries, request and tickets for the Financial division.
- Schedule meetings with stakeholders, to establish projects workflows to improve business processes and optimize previous jobs.
- Create visualizations and presentations and Tableau.
- Create and manage data pipelines for data management.
- Develop automation processes.
- Optimize queries in order to reduce extraction timing and costs.

Data Scientist

Atlantic Quantum Innovations

📅 January 2022 - August 2022 📍 Barranquilla, Atlántico

- Manage multiple projects for different clients.
- schedule meetings with stakeholders and clients, to establish the project to develop and also to provide solutions, and share insights and information.
- collect, analyze and clean data using data wrangling process.
- deploy statistical analysis and machine learning models.
- Create visualizations and presentations using Power BI and Tableau.

Live Feed Data Analyst

Genius sports

📅 March 2021 - May 2021 📍 Medellín, Antioquia

- Collect, analyze and manage real time data.
- Create reports about every procedure made in order to protect sports selling Markets.
- Recognize and protect sports selling markets against untruthful information.

Tutor Especializado

Universidad del Norte

📅 January 2017 – November 2019 📍 Barranquilla, Atlántico

- I helped to improve the grades of students in academic risk status.
- I gave different study methods and personalized teaching for students with learning troubles.
- I taught students how to learn by themselves and also to manage stress

HONORS AWARDS



Ser Pilo Paga
Bs Scholarship

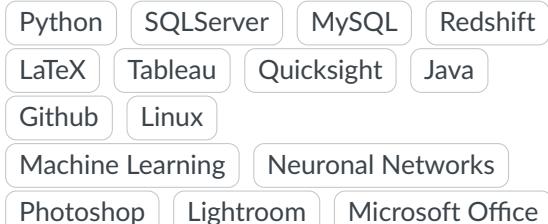


Ser Pilo Paga Profes
Mastery Scholarship



AWS & Udacity
Machine Learning Course Scholarship

SKILLS



LANGUAGES

English

Spanish

Portuguese



RESEARCH/PROJECTS



Paper
SIDH Protocol an Introduction



Paper
Elliptic Curve Cryptography: The hidden Number Problem



Research
Tropical Geometry of Neuronal Networks
Ongoing



Research
TICs implementation for linear algebra with SAGE
Ongoing



Programs
Sentiment-Analyzer a Machine learning model
Ongoing

EDUCATION/COURSES

M.Ed. Communication and Information Technologies
Universidad del Norte

 February 2021 – Ongoing

B.S. in Mathematics

Universidad del Norte

 January 2016 – November 2020

Data Science For All

Correlation One and Min Tic Colombia

 March 2022 - July 2022

CERTIFICATIONS

Google Data Analysis Professional Certificate

Google & Coursera

 Ongoing

AWS Machine Learning Foundations

AWS & Udacity

 October 2021

Introduction to Python

DataCamp

 September 2021

SQL for Data Science

Coursera & UCDavis

 September 2021

Data Analysis with Python

FreeCodeCamp

 September 2021

Data Engineering for Everyone

DataCamp

 September 2021

Conferences

- XXIII Colombian Mathematical Congress
Algebra, Mathematical analysis, Math History, E. (2023).
- 7TH Encuentro Colombiano de Combinatoria
Tropical Geometry, Combinatorics, Graph Theory. (2022).
- Tercer Encuentro Matemático del Caribe
Algebra, Education, Differential Equations, Graph Theory, Applied Statistic. (2021).
- 6TH Encuentro Colombiano de Combinatoria
Algebra, Combinatorics, Group Theory. (2018).
- Iwasawa Theory
Iwasawa theory, Cohomology and Number Theory. (2018).
- XXI Colombian Mathematical Congress
Algebra, Mathematical analysis, Math History. (2017).

Research Interest

- **Algebra.** (High Dimensional Spaces, quantum computing).
- **Combinatorics.** (Polytopes, tropical Geometry, Tropical Algebra).
- **Machine Learning.** (Neuronal Networks, Deep learning, AI).
- **Mathematical Education.** (TICs improvements, Equity in education, Didactics of mathematics).