

Cristian Gabriel Cepeda Sanjuanelo

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🐙 <https://github.com/Cgcepeda>



✓ PROFESSIONAL PROFILE

MSc. In Electrical Engineering based on Machine Learning with a strong academy and professional background in data mining, classification models and predictors. I have advanced handling in programming languages as Python, employing libraries as Pandas, Scikit-learn and Keras. In addition, I'm highly proficient in SQL and have experience developing OLAP cubes and employing tools as PowerBI, Azure Data Factory and NiFi. I define myself as a proactive, analytical, curious and dynamic person with the capacity to look for a better solution, take risks and make easier complex problems in order to improve the company KPIs, also analyzing and extracting useful insights from raw data, to make scenarios that helps in the project management and valuable information for the decision-making process.

🎓 EDUCATION

Degree: MSc. in Electrical Engineer
Institution: Universidad del Norte,
Barranquilla, Colombia
End Date: March 2020.

Degree: BSc. In Electrical Engineer
Institution: Universidad del Norte,
Barranquilla, Colombia
End Date: September 2018

Degree: BSc. In Electronics Engineer
Institution: Universidad del Norte,
Barranquilla, Colombia
End Date: March 2018

🌐 LANGUAGES

Spanish:
English:
Italian:

💻 COMPUTATIONAL SKILLS

Python:
SQL:
Data ETL:
R:
NodeJS:
PowerBI:

✓ PROFESSIONAL EXPERIENCE

Business Intelligence Engineer

Horbath Technologies, Barranquilla, Colombia | Dec 2019 – Present

Functions

- Develop of data mining techniques to extract relevant business information.
- Program stored procedures and workflows to monitor business rules and KPIs.
- Set environments, servers and databases for making ETL processes.

Business Analyst

ToryTech, Bogotá, Colombia | Mar 2019 - Sep 2019

Functions

- Develop data mining techniques to predict the measurement state in the Oil&Gas sector.
- Analyze and make metrics to guarantee the veracity of the measurement.
- Set environments and servers for the execution of applications for Oil&Gas sector.

Circuits Lab Assistant

Universidad del Norte, Barranquilla, Colombia | Jul 2018 – Dec 2018

Functions

- Manage electronic projects to develop Hardware tools for IoT.
- Set switches and routers to design LAN and WLAN networks.
- Develop in Python and Java environments for monitoring IoT tools.

Researcher Assistant

Universidad del Norte, Barranquilla, Colombia | Jan 2018 – Dec 2019

Functions

- Develop Machine Learning strategies to model adaptive fault detection techniques applying on the UNIGRID laboratory of Universidad del Norte.
- Set environments, servers and database for monitoring the electrical features of the laboratory.
- Clean correlated data in order to know the current grid condition.

TI vicepresidency Internship Student

ISA ESP, Medellin, Colombia | Jul 2017 – Jan 2018

Functions

- Clean raw data to develop Business Intelligence tools for monitoring TI costs in ISA group.
- Develop PowerBI reports to project management in ISA group.
- Analyze metrics to monitor TI budgets in ISA group.

PUBLICATIONS

Intelligent Fault Detection System for Microgrids

Journal Name: Energies

Manuscript ID: energies-716320

Type of manuscript: Article