


Andrés Camilo Viloria García

Engineer with experience in industrial processes, and passionate about extraction information processing and visualization. Motivated and results-driven Data Analyst with a proven track record in data analytics and process mapping with knowledge of programming languages such as: SQL Server, Java, Python and Excel. Ability to work in a team, initiative, innovation, and assertive communication. Currently doing DATA SCIENCE courses with IBM (Python) .



Work History

2021-06 -
Current

Data Scientist/Data Analyst

Software Estratégico

- Design SQL queries in accordance with the business rules to be implemented for stopping outliers in stopping illicit business activities. (Prophet and ARIMA evaluated models)
- Data quality management in source DWH using Python and SQL.
- Use of Crisp-DM methodology for data mining and Scrum for software development
- Model analysis, development and implementation using Python and the libraries of: Pandas, Numpy, matplotlib, seaborn.

2021-01 –
2021-05

Data Analyst

Software Estratégico

- Identified and documented detailed business rules and use cases based on requirements analysis.
- Responsible for developing and support for ETL (Extract, Transform and Load) processes using SSIS(Visual Studio).
- Developed tables, views and materialized views using SQL.
- Synthesized current business intelligence data to produce reports and polished presentations and highlighting findings.
- Transformed stakeholders requirements into predictive models using Python.
- Data Visualization using POWER BI from data cube as source data.

2020-11 -
2020-01

Web Developer

Software Estratégico, Colombia



Contact

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Skills

Structured Query
Language (SQL)



Microsoft Excel



Critical Thinking



Python Programming



Software

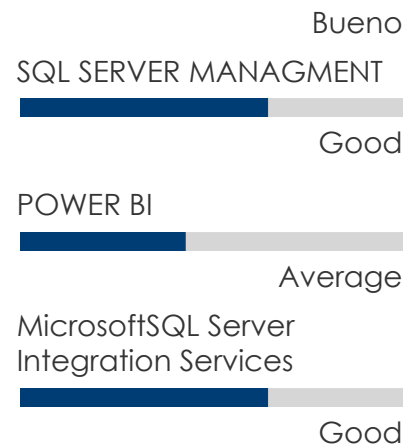
Anaconda



Jupyter Notebook



- Develop computer functions using Java programming language for Backend development of Web application.
- Build SQL Server processes to manage information in databases previously prepared to be fed to Backend and Frontend application.
- Planned website development, converting mockups into usable web presence with HTML and JavaScript coding.
- SCRUM methodology was implemented during all project for web development.



2018-05 -
2020-01

Junior Production Engineer

Owens Illinois, Zipaquirá, Colombia

- Leading software implementation for reduction of defects in the bottles, through Microsoft SQL server data management system. Data management using Visual Basic / Excel to centralize information from raw materials area for dosing of ovens.
- Program Implementation using Excel and VB for control of process variables and centralization of information to ensure inventory availability of Zipaquirá production plant with production of 800 tons per hour.
- Production line leader, analysis of daily process variables and evaluation of actions to improve process.
- Chronological monitoring of project to build glass melting furnace in automatic system of company.
- Raw materials Spare Inventory control for maintenance and their respective monitoring (administration).



Education

2011-01 -
2017-06

University Degree: Chemical Engineering

Universidad De América - Bogotá-Colombia

2020-11 -
Current

Professional Certificate in Data Science - in Progress -IBM Badge: Data Science

Coursera-IBM - Online



Accomplishments

Scientific Publications in Milan, Italy:

- **ASSESSMENT OF DIFFERENT PLASTICIZER – POLYHYDROXYALKANOATE MIXTURES TO OBTAIN BIODEGRADABLE POLYMERIC FILMS.** The Italian Association of Chemical Engineering (AIDIC)- <https://www.aidic.it/cet/17/57/228.pdf>
- **VOLUMETRIC OXYGEN MASS TRANSFER COEFFICIENT DETERMINATION AND HYDRODYNAMIC OPTIMIZATION OF POLYHYDROXYALKANOATE PRODUCTION WITH VEGETAL OIL AS CARBON SOURCE** The Italian Association of Chemical Engineering (AIDIC) <https://www.aidic.it/cet/17/57/218.pdf>