CRISTHIAN I. CASTRO ARIAS

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Colombia

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Data Scientist with experience in Python, SQL, data analysis, Machine Learning, Power BI, among other technologies. I have a background in chemical engineering and quality control that has helped me in the analysis and optimization of processes that occur in the data industry. I am a highly adaptable individual who is comfortable in different roles, willing to learn and unlearn. I have a conversational level in English and enjoy teamwork, sharing knowledge, asking for help and offering support when necessary.

EDUCATION

Bootcamp.	Soy Henry. Data Science, analysis and engineering	(2023 – Current)
Post-Bac.	Platzi. Data Science, analysis and engineering	(2022 – Current)
B. Sc.	Universidad del Valle. Ingeniería Química	(2010 – 2015)
	Dissertation: "Morphology of Chars from Coal-Bagasse Mixtures in a Pyrolysis Process"	

EXPERIENCE

Trapiche Lucerna, Florida, Valle del Cauca   May 2020 to Jun 2020
Junior Engineer, Production Area
- Supervised management indicator in clarification and evaporation areas.
- Elaborated process diagrams of the sugar mill.

Private Tutor, Bogotá   Jan 2017 to Sep 2018
Freelancer, Education
- Prepared students in chemistry, mathematics and physics.

Smurfit Kappa, Yumbo, Valle del Cauca   Mar 2015 to Sep 2015
Intern, Technical and Quality Department
- Executed GMP following local and international standards.
- Supervised sampling of final product and water involved in the process.

PROJECTS

Content-Based Movie Recommendation System
Henry Bootcamp, Jun 2023 - Jul 2023
- Data cleaning and processing of a dataset related to the film industry using Python libraries such as Pandas, NumPy and AST.
- Development of a recommendation model through vectorization, Scikit-Learn and algebraic processes such as cosine similarity.
- Deployment of the application with Render.com and an API built with FastApi.

Morphology of chars from coal-bagasse mixtures in pyrolysis
University of Valle, Cali, Colombia, Aug 2014 - Sep 2015
- Grinding sugar cane bagasse and coal to get the samples of the research.
- Crafting disks made from mixtures of epoxy resin and particles of the grinded samples.
- Checking the disks through microscope and collect images of the chars belonging to mixtures of different proportions.
- Analyze the correlation between the shapes of the chars and properties of the samples like calorific value.

PROFESSIONAL TRAINING AND COURSES

Intermidiate Excel and Dashboards, Platzi, 2023
Spark Fundamentals Platzi, 2023
MongoDB Fundamentals, Platzi, 2023
Docker, Platzi, 2023
Professional Python, Platzi, 2022
SQL and MySQL, Platzi, 2022
Database Building with MySQL, SENA, 2022
Exploratory Data Analysis, SENA, 2022
Advanced English, Colombian American Center, 2017
HSEQ Training, Future Builders, 2015

LANGUAGES

Spanish: Native
English: Intermediate Speaker and Writer, Advanced Reading and Listener
French: Beginner

COMPUTER SKILLS

Programming: Python, SQL, NOSQL, Pandas, NumPy, Scikit-Learn, Matplotlib.
Applications: VS Code, Office 365, Anaconda Suite, Hue, MySQL, PostregreSQL, Power BI, Mongo Compass
Platforms: Windows, Linux