DIEGO ALEJANDRO LESMES RODRÍGUEZ

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Industrial engineer with knowledge in data science and Electricity, Natural Gas and interior thermal Coal Colombian markets, with experience in the formulation, development and execution of business plans and back office process automation

SKILLS

Technical: Operations research, Statistical Analysis, EDA, ETL, ML, Designing Experiments

Idioms: Spanish (maternal tongue) English (B2)

Languages: R, Python, SQL, Macros & Visual basic

Programs: MsOffice, Git-GitHub, PostgreSQL, MySQL, SQL Server, Jupyter notebook, Google Colab, GAMS, Knime, Minitab, SOLID WORKS and AWS (EC2, RDS)

Soft: Numerical analysis, adaptability, leadership, decision making, enterprising and proactive

INTERESTS AND HOBBIES

Christian guidance and spiritual support

Riding bike, Taekwondo, Soccer, Chess and CrossFit training

Reading, Entrepreneurship, Business plans, Programming, Social action and volunteer experience

JOB EXPERIENCE

April 2018 – July 2020

COSENIT S.A., Bogota, Colombia
Energy Markets Analyst

✓ Regulatory analysis of the Natural Gas sector in Colombia
✓ Monthly reports of energy consumption of different clients for the billing audit and provisions for Natural Gas costs
✓ Support in preparing the meeting presentation for the electricity and natural gas industry, generic monthly report and daily report market
✓ Development of a market study of thermal coal in the interior of the country, for the consumption of clients located in the departments of Valle, Cundinamarca and Boyacá
✓ Identify and compare the monthly value of the billing adjustments of the different customers for the process of claiming accumulated adjustments for each marketer
✓ Standardize the billing audit process for customers with electricity and Natural Gas consumption
✓ Automation of the process of generating the daily report on Energy Markets in Colombia and the Natural Gas Nomination process

February 2014 – November 2017

Tu Profe S.A.S., Bogota, Colombia
Founder and Manager

✓ Operations, Planning and development at strategic, tactical and operational level
✓ To be in the market for almost four years, during which time they have provided around three thousand consultancies throughout Bogota. Thus, helping more than a thousand people through its different services.
✓ Design, build and support the company's CRM to manage the databases and all the different details of the finished, ongoing and future services. It was develop in ACCESS and SQL of MSOffice packages and completed with visual basic of excel sheets.
✓ Lead the Tu Profe Student Volunteer Service, supporting the Salvemos a Cristian foundation in academic support and recreation

February 2015 – January 2016

Emgesa S.A. ESP., Bogota, Colombia
Professional practitioner

✓ Manage contracts on coal supply providers of the "Termozipa" power plant
✓ Update control files, supply record and quality of coal for issuance of settlements
✓ Carry out specific activities in the Ludy Commerce web application
✓ Provide support in accounting closings for liquidations of Emgesa's gas marketing business
✓ Participate and support the Fuel Management Division in the Operations and Energy Resources Committee from Energy management

ACADEMIC TRAINING

Mayo 2020 - august 2020

Ministerio de Tecnologías de la información y las Comunicaciones de Colombia - MinTic & Correlation One - Data Science For All 2020-I, Virtual training, Colombia
Data Science

- ✓ **Top 3 out of 92 Projects** - Grand Finale Mention Project "How to prioritize funding for development of agricultural projects in the post-COVD era with data science?"
- ✓ Python & SQL programming,
- ✓ Databases, Exploratory Data Analysis, Data Wrangling, Cleaning and Visualization
- ✓ Sentiment analysis, Surveys, Experiments & Web Scraping
- ✓ Classical Machine Learning Models & Cross-Validation
- ✓ Linear Modeling, Variations & Extensions
- ✓ Basic of Regularization, DL, CNN & Reinforcement Learning

March 2020 – Currently under study

Platzi, On line Education
Data Science

- ✓ Python & SQL programming, Probabilistic and analyst thought
- ✓ Databases fundamentals, Git & Github
- ✓ Data Engineering and Web Scraping

February 2019 – September 2020

Edx, Virtual Education
Data Science

- ✓ R Programming
- ✓ Visualization, Probability, Inference and Modeling
- ✓ Productivity tools, Wrangling
- ✓ Linear Regression, Machine Learning
- ✓ Assembly models, Regularization, PCA & SVD

January 2010 – march 2016

Escuela Colombiana de Ingeniería Julio Garavito, Bogota, Colombia
Industrial Engineer

- ✓ Data mining, Numerical analysis, Mathematical thought
- ✓ Optimization, Discreet Event Simulation, Stochastic Models
- ✓ Supply chain, Programming and Control Production and inventory management
- ✓ Projects Formulation and Evaluation, Electrotecnia