Karen Lorena Figueroa Chilito

Data analytics - Data Science - Machine Learning - Cloud computing - Anaplan model builder

CONTACT

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EDUCATION

University of Texas at Austin
Master of Science in Data Science
Austin, Texas
Jan 2022 - Current - May 2023 (Expected)

University of Texas at Austin – McCombs School of Business
Postgraduate Program in Data Science and Business Analytics.
Austin, Texas
Jun 2021 – Jan 2022
PGP in Data Science and BA E-portfolio.

Universidad Nacional de Colombia
Bachelor of Arts in Economics
Bogotá, Colombia
2011 - 2016
Classes: Game Theory, Econometrics, Data Analytics, Macroeconomics, Microeconomics

SKILLS

Python
Data analysis and modeling: NumPy, Pandas, Matplotlib, seaborn, SQLachemy, NLTK, SpaCy, sklearn, imblearn, tensorflow.

R
Data analysis and modeling: tidyverse, tidymodels, ggplot2, broom, tidyr, dplyr.

SQL Language
Relational database experience using: SQLServer, PostgreSQL, MySQL, Snowflake, IBM Netezza, SQLite.

Cloud computing
AWS: S3, RDS, EMR, Lambda Glue, Quicksight

Business Intelligence
PowerBI, Quicksight, Tableau

DISCTINTIONS

Ministry for the Information and Communications Technologies
Data Science for All 1.0 Fellow
Oct 2019 – Dece 2019
Awarded merit-based fellowship (+10K applicants, <3% acceptance rate) to the first Data Science for All to train with Harvard Professor Natesh Pillai with a deep focus on data science, analytics, AI and ML.

LANGUAGES

Spanish: Native
English: Advanced (C1) - TOEFL Certified

PERSONAL INTERESTS

Hackathons, web designing, hiking, physical training, animal shelters volunteering, astronomy, and sketching.

PROFILE

Bilingual economist and data science master's student. Fluent in English and Spanish. Highly skilled in comprehensively applying different data exploration, data cleaning, data visualization and statistics methods to understand data and to apply different techniques for predictive modeling.

Currently doing the Master of Science in Data Science at the University of Texas at Austin. Learning and feeling fascinated about Machine Learning, Deep Lerning, NLP and Causal inference.

PROFESSIONAL EXPERIENCE

Correlation One, New York City, NY   *(May 2020 – Present)*
Teaching Assistant - Anaplan for All program, - Version 1.0 (2021), 2.0 (2021), 3.0 (2022)

- Earned the Anaplan model builder certificate (L1, L2, The Anaplan Way) in less than three weeks to be able to be a Teaching assistant for the first iteration for the Anaplan for All program.
- Trained and helped over 800 people to obtain their Anaplan model building certification (L1, L2, The Anaplan Way) with a deep focus on FP&A and Supply Chain modeling.
- Built Anaplan models and created model building challenges for students.
- Gave one-on-one sessions to students to help certify them as Anaplan Model Builders.
- Taught live remote classes about formulas, functions, and the specific Anaplan syntax.
- **Distinction:** Scored as the best Teaching Assistant for the Anaplan for All program.

Teaching Assistant, Instructor and Data Science Consultant - Data Science for All program (DS4A).

- After completing the Data Science for All program (first iteration in Colombia), earned the possibility to work for Correlation One as a Teaching Assistant for the second iteration.
- Teaching assistant for multiple versions of the Data Science for All program: DS4A-2.0, DS4A 3.0, DS4A 4.0, DS4A 5.0. (2020 - 2021), helping over 2400 people to get their certificate.
- Led and managed around 50 successful Data Science projects (average of 5 people per team) with immediate impact on the public and private sector. Some of the best projects: Project 80, Project 56, Project 51, Project 81.
- Taught live remote classes to hundreds of students on:
  NLP covering basic and intermediate concepts: Tokenization, stop words, n-grams; using NLTK, spaCy, wordcloud, scikit-Learn, data visualization, EDA, and data cleaning in Python; using pandas, Matplotlib, and seaborn. As well, databases and SQL language.

Simetrik, Bogotá, Colombia   *(Dec 2019 – May 2020)*
Data Engineer

- Applied Data Engineering to fix multiple data sets working with SQL queries and Python scripts.
- Performed daily data validation and created unique formats for multiple datasets which had been acquired from different financial sources to finally verify daily transactions for all the different clients who wanted to verify their data.
- Created dashboards (Quicksight) based on each client to deliver main KPI's about data validation.
- Managed the complete ETL process from PostgreSQL and Snoflake to AWS (different services including: S3, EMR, Cli, Glue, RDS, Lambda).

CredibanCo, Bogotá, Colombia   *(May 2019 – Nov 2019)*
Business Intelligence Analyst

- Designed and structured databases, stored procedures, reports, and data input interfaces using SQL Server and Aginity IBM Netezza (SQL language).
- Developed and maintained business analytics products for clients who belong to the different Industry sectors, based on the company's strategy. (Manipulated, cleaned datasets, added statistical analysis, predictions and created dashboards for the multiple clients.
- Developed solutions and analyzed trends to other areas of the company transforming their data into reports which was useful to make decisions periodically.

TransUnion, Bogotá, Colombia   *(Mar 2017 – Sep 2017)*
IT Decisioning & Data Analyst – Latinoamerica

- Built scoring and risk models according to the different private financial entities' necessities.
- Designed, defined, planned, and executed QA-tests using SQL and JavaScript to review the errors in the codes for every functionality that was being developed by the other part of my team according to the changes the company needed to do regarding to a transition, which were been integrated to the new applications.
- Trained test and client service teams the internal and external use of the new applications so they could solve any client inquiry.

Scotiabank-Colpatria, Bogotá, Colombia   *(July 2016 – Dec 2016)*
Junior Analyst – Credit Risk Viceprecidency

- Create macros in excel using Vba to automate processes that were taking more than 3 days, reducing them to only 2 hours.
- Processes automated:
- Monitoring and balance of delinquent debtors of more than one billion Colombian pesos and weekly report of goals achieved according to the different types of credit: housing credit, revolving credit, student credit, car credit and free investment credit.
- Built scoring and risk models according to the different private financial entities' necessities.
- Reviewed accuracy of data using SQL Server for daily payments and credits of delinquent debtors of more than one billion Colombian pesos.