

CARLOS GUTIERREZ

DATA VISUALIZATION ENGINEER

SUMMARY

Data Visualization Engineer with 3+ years of experience in data modeling, processing and reporting in emerging markets. Skilled in Power BI analytics service, DAX query language, SQL, and Python. Enthusiastic about data architecture, testing, and engineering.

SKILLS

SQL
Python
DAX
Inferential Statistics
Data Visualization (Matplotlib, Seaborn, Deneb)
Pandas
Power BI
Google Cloud
Google BigQuery

EDUCATION

DATA ANALYSIS & MACHINE LEARNING

Bloom Tech | 2018 - 2019


Coursework: Linear Algebra, Hypothesis Testing and Inferential Statistics, Data Visualization and Communication, Data Engineering, Advanced Regression, Model Validation, Tree Ensembles, NLP, Neural Networks, Deep Learning.

BBA, FINANCE

University of Houston | 2002 - 2007

CONTACT

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 carlosgutier.com

WORK EXPERIENCE

SENIOR DATA VISUALIZATION ENGINEER

Brightfield Group | Remote | October 2019 - Current

- Building, deployment, and maintenance of market research dashboards built in Power BI with use of DAX query language to display dynamic statistical calculations, featuring native and custom Deneb visuals.
- Design optimal data models and write Python scripts creating SQL tables used in dashboards to generate seamless front-end calculations and immediate visual results when dynamically querying tables with hundreds of millions of observations.
- Oversee and keep within limits use of cloud resources for dashboards in production.
- Weekly coordination with data engineers and analysts for new product design and improvement of those already deployed.

GENERAL MANAGER

Topstone Bibles & Books | Houston, TX | 2016 - 2018

- Oversee and coordinate with staff and volunteers for publication distribution in Southeast Texas venues and neighborhoods.
- Manage monthly educational events and yearly conferences.
- Oversee orders and customer satisfaction for online and retail bookstore.
- Hold bi-annual meetings with board of directors to discuss accomplishments and strategies to reach goals.

OUTREACH ASSOCIATE PROGRAM DIRECTOR

The Church in Houston | Houston, TX | 2009 - 2015

- Coordinate logistics and attendance for local and state conferences.
- Co-manage community outreach program for field recruitment and training.
- Lead area wide small groups to nurture members and develop their abilities to support fellow members.

PERSONAL PROJECTS

INTERPRETING CUSTOMER CHURN WITH SURVIVAL ANALYSIS | 2019

- Used the Lifelines Python package to analyze data of customer tenure for a telecommunications company.
- Through survival analysis approach found statistically significant features that seemed to contribute to customer dropout.
- Recommended steps to take to increase customer retention based on findings.

RXID PILL IDENTIFIER APP | 2019

- Built baseline optical character recognition model using Tesseract and OpenCV to detect and read text imprint on prescription pills.
- Used AWS Rekognition, OpenCV image filter to read text from pill images and matched results with data in PostgreSQL database hosted on AWS RDS.