Francisco **Salas**

PHILOMATH

713-568-5738 | frank.salas@gmail.com | sal.as | franksalas | frank-salas

Education

B.S. in Computer Science
Houston, TX

UNIVERSITY OF HOUSTON-DOWNTOWN
May 2017

Data Science Career Track
Online

SPRINGBOARD
October 2018

Skills

Programming	Python, Go
Libraries	NumPy, Pandas, Scikit-learn, SciPy, nltk, spaCy, gensim, TextBlob, Beautiful Soup
Visualization	Power BI, Plotly, Seaborn, Matplotlib, Bokeh, Folium
Machine Learning	Linear Regression, Logistic Regression, Random Forest Classifier, Naive Bayes, SVM, NLP
Relational Database	PostgreSQL, T-SQL, SQLite
Tools	Crystal Reports, AWS, Anaconda, Jupyter Lab, Git, Linux, Bash

Experience

DXC Technology
New Orleans, La

DATA SCIENTIST
April 2019 - June 2020

- Build a machine learning model (NLP) to categorize IT tickets with appropriate products and issues automatically on an AWS infrastructure.
- Created a custom analytic dashboard in python of service desk ticket data for a fortune 500 automotive company to provide insights an improve customer support.
- Collaborated with the automation of multiple tasks in the banking industry on FTE reduction.

Texas Children's Hospital
Houston, Tx

DATA ANALYST
May 2017 - Mar 2019

- Collaborated with LIS and clinic management to mine data from a blood bank database system to create reports and drive initiatives to reduce waste.
- Reduced employee onboarding time by creating laboratory software training videos and interactive quizzes with Adobe Captive.
- Developed an application to convert Epic patient demographic reports into a list of medical record bar codes, resulting in reduced staff workload and increased accuracy of patient-specific labeling.

Projects

Text Classification on Public Unstructured Health Care Data

NATURAL LANGUAGE PROCESSING

- Extracted 3,062 healthcare-related businesses from a dataset of 188,593.
- Applied text classification and sentiment analysis on 44,918 Yelp reviews related to health care.
- Resulted in a Naive Bayes accuracy of 0.962 and an SVC accuracy of 0.976.

Analysis of Crime Neighboring Sporting Events

RANDOM FOREST CLASSIFIER

- Analyzed eight years of crime data from the Houston metropolitan area from 2010 to 2017.
- Used haversine formula from crime coordinates to local stadiums to display a one-mile radius of crime committed during a game day.
- Applied random forest classifier to predict the type of offense during a game.

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BLOG

- Personal tech blog built with Hugo, a static HTML and CSS website generator written in Go.
- Hosted on Netify, a serverless backend service for static websites with continuous deployment from Git.