XAVIER CARTER

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PROFESSIONAL SUMMARY

A skilled and motivated worker with a positive track record in leadership for roles that involve a keen eye for detail. A highly driven individual who strives for meeting goals in a fast, effective and timely manner. Utilizes their strong backround of programming and machine learning to provide impactful data driven insights to key entities.

TECHNICAL SKILLS

SQL - Python - Numpy - Matplotlib - Skit Learn -Seaborn Git -Pandas - Machine Learning - Jupyter Notebooks Natural Language Processing - HTML - CSS - Java - C# MongoDB - Tableau - Apache Spark - beautifulsoup Selenium - scipy

PROFESSIONAL EXPERIENCE

Processing Operator - Frito Lay
May 2019 - Current

As a Processing operator with Frito Lay, I'm responsible for the production and quality of Frito Lay products. using Strategic measures of quality assurance and preventative maintenance, I'm able to oversee what constitutes a safe product for our customers.

Software Engineer Intern - 9 Tap Tour
Jun 2017 - June 2018

Focused on creating in-house Windows form with visual studio, C#, SQL, and Code First Entity Framework. My main objective was to create a file upload system that converted Exel file information into a SQL database as well as automates the bowler's tournament stats that was once calculated by hand.

Warehouse Foreman - AAFES
Dec 2013 - May 2019

As a warehouse foreman for Army and Airforce exchange services, I was responsible for the safe unloading, processing, and storage of facility merchandise. I also supervised a team of laborers, assigned tasks and duties, and provided coaching and instruction on proper warehouse protocol.

EDUCATION

Codeup   September 2021
Fully immersive,project-based 22-week career accelerator that provides students with 670+ hours of expert instruction in applied data science.

Arizona State University   June 2022
Bachelors of Science – Software Engineering
Senior

Clover Park Technical College   June 2017
Associates of Science - Computer Programming

PROJECTS

PROJECT DANGER ZONE   September 2021
Classification

Utilized Selenium to web scrape the data from an accident report website. After gathering over 30,000 accidents from the city of San Antonio, our group focused on finding key drivers to what leads to car accident injuries. We then utilized a gradient boosted classification model to predict when the contributing factors of a car in an accident should lead to an injury with a 62% recall score.

PREDICTING PROGRAMMING LANGUAGES   August 2021
Natural Language Processing

Utilized web scraping to acquire the readme contents from 250 GitHub repositories and utilized a K Nearest Neighbor, Inverse Document Frequency (TF-IDF) classification model to predict the primary programming language of the repository based solely on the contents of the readme with 83% accuracy.

CAR BUYING MADE EASIER   July 2021
Regression

Utilized a dataset with 3,000,000 observations of cars available for purchase scraped from car gurus and linear regression techniques to discover correlation with car features and their sell price. With a 3rd-degree polynomial linear regression model, an RMSE score that beat the baseline by more than $6000 was established. After, the model was exported to a streamlit application in order to take in user input so customers can get an unbiased estimate on car values.

LOCATING CURRICULUM ANOMALIES   July 2021
Anomaly Detection

Used various anomaly detection methods and algorithms in order to answer a variety of questions asked about the strange occurrences within the codeup curriculum website.

PREDICTING ZILLOW LOG ERROR   June 2021
Regression

Used clustering algorithms and regression models to determine driving factors in the error behind the Zillow Zestimate log error. After utilizing a second-degree polynomial linear regression model, an RMSE score of 0.165 was established.

WHAT DRIVES CUSTOMER CHURN?   May 2021
Classification

Used classification models to determine driving factors for customers leaving a telecommunications company. With a random forest model, A recall score of 93% was established. After, the model was used to create a list of high-risk customers who are still with the company that statistically should churn in order to advise the idea of focusing on making the effort to retain high-risk customers.