Will Griffin

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Business Analyst with a background in logistics and management; I have 480 hours of instruction in Programming, Machine Learning, and Statistics combined with eight years of problem-solving experience helping departments, teams, and individuals perform at their best and exceed expectations

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Skills

Business Intelligence: Data and Process Analysis, Evaluation, Forecasting, and Reporting, Project Management, Microsoft Office, Cloud Services, Tableau
Programming: Python (SciKit-Learn, Pandas, NumPy, SciPy, NLTK, Beautiful Soup, Keras, Matplotlib, Seaborn), SQL, PySpark, GitHub, Jupyter
Communication: Fair Liaison Between Cross-functional Teams, Consulting, Vendor Relations, Creative Problem Solving

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Technical Projects

Reddit NLP Project | Solo, Concept Project
GA-DSI | Remote | 2 week timeline
- Scraped 20k Reddit posts from pushift.io - 50% each from the Xbox and Playstation subreddits
- Performed cleaning and EDA on posts including tokenizing, lemmatizing, and removing stop words
- Built several NLP models using the Count Vectorizer and TF-IDF Vectorizer in conjunction with Naive Bayes, Random Forest and Logistic Regression models
- Classified posts between subreddits with 92% accuracy; identified most frequent unique words in each subreddit to highlight differences in player base and make Microsoft marketing recommendations

"Nextale" Recommender System (Capstone) | Solo, Concept Project
GA-DSI | Remote | 6 week timeline
- Built a cosine distance recommender system for Books, Movies, and Video Games based on over 7 million Amazon product reviews / 3.5 million unique customers / 133,000 products spanning 20 years (1995-2015)
- Added additional functionality of exclusion term search parameter to filter second keyword out of results
- Performed NLP on review text using Count Vectorizer to return most common words in review text per item
- Compressed model and deployed it online: share.streamlit.io/griffinwt/nextale/main/Nextale_Streamlit.py

NTSB Airplane Crash Report Analysis | Group, Concept Project
GA-DSI | Remote | 3 week timeline
- Studied data from the National Transportation Safety Board (NTSB) to make predictions / recommendations for aircraft safety regulations based on aviation crash data
- 3 person group project - my role was initial data cleaning / EDA and creating a binary classification model to predict whether the crashed aircraft was amateur built based on other features of the crash
- Bootstrapped random samples from amateur built positive class to normalize ratios; built random forest model with test accuracy of 95.6%

Ames Housing Project | Solo, Concept Project
GA-DSI | Remote | 2 week timeline
- Tasked with creating a model to predict home sale prices in Ames, IA
- Performed Cleaning and EDA, engineered features, tested multiple feature combinations to create/improve sale price prediction model
- Created a final model that predicted home price for test (unseen) data within $20k of true sale price on average; finished 4th in class Kaggle competition out of 49 entrants

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Experience
Enterprise Holdings | September 2012 - July 2020 | Denver, CO
Group Remarketing Logistics Supervisor | November 2018 - July 2020
- Liaised across divisions, communicating and problem solving in coordination with department heads
- Handled logistics and interstate vehicle transfers to deliver 20,000+ sold cars per year to dealerships across the U.S. Southwest, in addition to directing a team of drivers to reallocate Enterprise fleet resources
- Managed a budget of more than $1M per year for transport trucks to control seasonal business flow
- Administered scheduling, hours, time-off, bonuses, and annual reviews for more than 90 employees

Regional Fleet Logistics Supervisor | August 2015 - November 2018
- Led new manager training in proprietary logistics software, best practices, and communication
- Oversaw technician team responsible for in-fleet processing of more than 7,000 new cars each year
- Drew together multiple sources with data visualization to create simple, useful, informative frameworks for operational transparency and decision making
- Identified and cut costs from regional administrative depreciation by $400k in FY 2018.

Logistics Coordinator | August 2013 - August 2015
- Maintained relationships with Enterprise's strategic business partners by resolving vehicle shortages and delivering special requests

Management Trainee | September 2012 - August 2013
- Provided exceptional customer service to Enterprise customers at rental locations across the Denver Metro Area

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Education & Certificates
General Assembly
- Intermediate SQL Bootcamp | February 2021
- Tableau Bootcamp | February 2021
- Data Science Immersive | September 2020 - December 2020
- Data Analytics (on-demand) | May 2020 - July 2020

The University of Virginia
- Certificate in Business Fundamentals | McIntire School of Commerce
- B.A. English Language and Literature | College of Arts and Sciences