

Will Griffin

757.812.3534 | griffinwt@outlook.com | griffinwt.github.io | linkedin.com/in/griffinwt | Denver, CO

Data Analyst with a background in logistics and management; I am passionate about finding practical solutions to complex problems and creating strategies that translate to every level of an organization. I enjoy developing novel approaches to help departments, teams and individuals perform at their best and exceed expectations.

Skills

Business Intelligence: Data and Process Analysis, Evaluation, Forecasting, and Reporting, Project Management, SQL, Excel, PowerPoint, Google Slides, Tableau

Programming: Machine Learning, Regression, Classification, Pipelines, Python (SciKit-Learn, Pandas, NumPy, SciPy, NLTK, Beautiful Soup, Tensorflow, Matplotlib, Seaborn), PySpark, GitHub

Communication: Fair Liaison Between Teams, Vendor Relations, Creative Problem Solving, Storytelling With Data

Technical Projects

“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
- Compressed model and deployed it online:
 - https://share.streamlit.io/griffinwt/nextale/main/Nextale_Streamlit.py

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 marketing recommendations

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
-

Professional Experience

Enterprise Holdings | September 2012 - July 2020 | Denver, CO

Group Remarketing Logistics Supervisor | November 2018 - July 2020

- Handled logistics and interstate vehicle transfers to deliver 20,000+ sold cars per year to dealerships across the U.S. Southwest
- Managed a budget of more than \$1M per year for transport trucks to control seasonal business flow; solicited bids and negotiated rates with carrier account representatives, liaised with truck drivers and destinations to provide directions and troubleshoot load issues, and reviewed new provider contracts and insurance policies to confirm accordance with company risk guidelines
- Initiated Excel analysis of total cost of delivery for a vehicle using Enterprise drivers vs. third party trucking services to properly evaluate which option was best for different destinations across Colorado
- Crafted group-wide post-Coronavirus driver staffing strategy in consideration of safety, budget and business need
- Administered scheduling, hours, time-off, bonuses and annual reviews for more than 90 employees

Regional Fleet Logistics Supervisor | August 2015 - November 2018

- Created PowerPoint presentation deck and led new manager training in proprietary logistics software, movement request theory and communication
- Authored guidance handbook for in-fleet processing of more than 7,000 new cars annually, ensuring that manufacturer-specific best practices were followed
- Wrote regional impound recovery policy, created branch recovery request template in Excel and oversaw all recoveries in Northern Colorado and the Western slope as well as Southern Wyoming
- Identified and implemented in-fleet processing efficiencies to cut costs from regional administrative depreciation by \$400k in FY 2018

Regional Fleet 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

Education & Certificates

General Assembly

- **Advanced Excel Bootcamp** | April 2021 | Overview of advanced functions, VLOOKUPS, INDEX/MATCH, Pivot Tables, Recording Macros, and data visualization options
- **Intermediate SQL Bootcamp** | February 2021 | Single day workshop comprised of advanced querying techniques including case statements, extract and union
- **"Design Your Data: Tableau Bootcamp"** | February 2021 | Single day workshop offering preliminary training on connecting to data, measures, dimensions, calculations, visualizations, maps, dashboards and publishing
- **Data Science Immersive** | September 2020 - December 2020 | 12 week immersive program (40 hrs/week of instruction + homework, quizzes, and projects) related to data exploration, analysis, and modeling using Python with supplementary study of SQL
- **Data Analytics** | May 2020 - July 2020 | Comprehensive self-guided course providing foundational knowledge of the context, process and tools to identify and communicate data-driven insights using Excel and SQL

The University of Virginia

- **Certificate in Business Fundamentals** | McIntire School of Commerce | Seminar running through Fall and Spring semesters of senior year providing an overview of Accounting, Marketing, Finance and Management
- **B.A., English Language and Literature** | College of Arts and Sciences | Focus on creative writing and marketing; final project involved surveying gym goers to design an advertising campaign for athletic shoes