

# Will Griffin

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Data-driven professional 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.

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## Skills

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

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

**Communication:** Fair Liaison Between Cross-functional Teams, Consulting, Vendor Relations, Creative Problem Solving

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## 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
- 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](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
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## Professional 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**

- Advanced Excel Bootcamp | April 2021
- 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
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