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# Stephen Greet Data Scientist

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# **Experience**

#### Marketing Science Company - Market Research Analyst Intern

April 2019 - March 2020

Pittsburgh, PA

- Received, cleaned, and prepped data from our client using SAS, SQL, and Excel to help data scientists build marketing mix models that resulted in a lift in ROI of 6 basis points
- Developed a program in SAS that automated refinement of linear regression models for specific segments of a customer base that saves 25 hours of labor each month

## **Projects**

## **Fantasy Football Modeling**

- Wanted to stop losing at fantasy football so I aggregated and prepped 5 years of NFL fantasy football projection data from 6 independent sources into a MySQL database
- Built a random forest model in SAS that combined the disparate sources into one projection that outperformed the mean absolute error of the next best projection by 18%

#### **Movie Recommendation Engine**

- Aggregated data from imdb and rotten tomatoes and used k-nearest-neighbors in SAS to build a better movie recommendation system for my snobby tastes
- I save an average of 18 minutes on movie selection relative to my previous methodology

## **Education**

### **University of Pittsburgh** - B.S. in Mathematics and Economics

September 2016 - April 2020 Cumulative GPA: 3.7 Pittsburgh, PA

Relevant courses: Intermediate programming, Probability & Statistics, Linear Algebra,
 Applied Econometrics, Game Theory, Calculus 1-3

#### Skills

- Programming: SAS (base SAS and Macros), SQL
- Modeling:
  - Supervised Learning: linear and logistic regressions, decision trees, support vector machines (SVM)
  - Unsupervised Learning: k-means clustering, principal component analysis (PCA)

• Data Visualization: Excel, Google Sheets