

# BAILEY HUFF

## *Business Analyst*

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📍 Brooklyn, NY

🌐 LinkedIn

## EDUCATION

B.S.

Mathematics and Economics

### Long Island University

📅 September 2017 - May 2021

📍 Brooklyn, NY

🎓 GPA: 3.75

## RELEVANT COURSES

Intermediate Programming

Probability & Statistics

Linear Algebra

Applied Econometrics

Game Theory

Calculus 1-3

## SKILLS

Programming: SQL, Python  
(Pandas, scikit-learn)

Modeling: Linear and logistic  
regressions

Data Visualization: Excel, Google  
Sheets, Matplotlib, Tableau

## CAREER OBJECTIVE

Quantitatively driven mathematics and economics major seeking to leverage my data analysis and business understanding skills as a business analyst upon graduation in 2021. Eager to share knowledge gained from undergraduate projects and to learn from supervisors and teammates.

## PROJECTS

### Model Creation for Fantasy Football

- Aggregated and prepped 4 years of NFL fantasy football projection data from 5 independent sources into MySQL database
- Built a random forest model in scikit-learn that combined the disparate sources into one projection that outperformed the mean absolute error of the next best projection by 19%
- Plotted data in 2D graph to view results for determining weekly lineups

### Movie Recommendation Methodology

- Aggregated data from IMDB and Rotten Tomatoes, and used k-nearest-neighbors in scikit-learn to build an improved movie recommendation system for personal tastes
- Saved an average of 15 minutes per movie selection relative to previous methodology
- Built visualizations in Tableau to demonstrate how ratings changed over time and how model was performing

### Long Island University's Intramural Soccer Team

#### Captain

📅 2017 - current

- Captained Long Island University's intramural soccer team, planning, scheduling, and leading 3 practices each week
- Participated in more than 15 games each semester, winning 90% of all games
- Led a community outreach effort for team to volunteer at the YMCA to train youth soccer clubs 2 times per month

### Touch of Glass Marketing Analysis Project

- Collaborated with local glass manufacturer as part of a business analytics class to explore the competitive landscape for a \$200K product in Brooklyn
- Aggregated data from a variety of sources, and helped identify gaps in the market for company to potentially build and market a new industrial product
- Suggested changes to company's website to increase accessibility and usability by 21%