

# BRANDON I. KING

Determined Analyst and Data Scientist | Uber-Alum

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🐙 github.com/bking2415    🌐 bking2415.github.io/portfolio



## PROFESSIONAL SUMMARY

Ph.D. equipped Data Scientist and Analyst with 7+ years of analytics experience, specializing in data analysis, visualization, and machine learning using Python, SQL, and Tableau. Proven track record of leveraging data to optimize processes by 20% at Big Tech and Government organizations. Excited to apply problem-solving skills to drive a positive impact in the technology, gaming, and sports industry.

## DATA SCIENCE EXPERIENCE

### Data Scientist | Uber

📅 January 2023 — June 2023    📍 San Francisco, CA

- Led A/B test planning to improve the product experience for all user groups, defining metrics, randomization units, and sample sizes
- Utilized data extraction techniques to identify marginalized groups and deliver essential insights to stakeholders on factors like trip volume and cost
- Performed exploratory data analysis on 10M+ rows of data using *Presto* to assess data quality and advised stakeholders on incentive plan budget allocation
- Presented city options for experimentation, considering trip volume from population samples and marginalized group accessibility to stakeholders
- Shared and advanced the approved experimentation plan to the Head of Core Services and Analytics, catalyzing a positive change initiative

### Data Scientist | Naval Information Warfare Center (NIWC)

📅 May 2019 — August 2019    📍 Charleston, SC

- Collaborated with cross-functional teams to implement a new process within existing systems, integrating data pre-processing and machine learning concepts
- Optimized backend methods in *Java* and *Clojure* with *TF-IDF* and *K-Means Clustering*, achieving a remarkable 99% performance improvement
- Advised Business Enterprise and Data Analytics leadership on optimal document clustering approaches based on machine learning analysis

### Graduate Research Assistant | North Carolina State University

📅 August 2016 — October 2021    📍 Raleigh, NC

- Utilized Big Data, simulation modeling, and optimization to decrease healthcare cardiac response time by 60% through process enhancements
- Achieved 92% accuracy in textile recycling behavior insights using *Python-based* quantitative analysis and supervised learning on multi-dimensional data sets
- Attained 99% predictive accuracy, correlating survey participants' textile decisions and recycling motivations from unsupervised model results
- Evaluated regression models to improve textile manufacturing processes performance, achieving a 95% R-squared score in predicting final fabric metrics

## ANALYST EXPERIENCE

### Business Intelligence Analyst | EOS IT Solutions

📅 November 2022 — January 2023    📍 San Francisco Bay Area

- Enhanced data retrieval efficiency by rewriting *SQL* queries using *Presto*, reducing data latency by 20% for 1B+ rows, to generate data visualizations
- Transformed *Tableau* dashboards, creating a dynamic weekly logistics KPI dashboard that converted raw data into actionable insights
- Pioneered the creation of a warehouse operation bottleneck identification backlog dashboard, improving asset delivery timeliness to Meta employees

## PRESENTATIONS

King, B.I., Rothenberg, L., Joines, J. *Applying Machine Learning Methods for Insight into Textile Recycling Behavior*. Presented at: 2021 Joint Statistical Meeting

## TECHNICAL PROJECTS

### Algorithmic Stock Trading | github.com/bking2415/StockTrader-Algorithm

- Leveraged predictive models, machine learning, and deep learning to accurately forecast next-day prices for the most active stocks, enhancing trading strategies

## EDUCATION

### NORTH CAROLINA STATE UNIVERSITY

📍 Raleigh, NC

#### Ph.D. in Textile Technology and Management

- **Dissertation Topic:** Applying Data Analysis and Machine Learning Methods to Model Healthcare and Textile Data Applications
- **Masters in Operations Research**
- **Affiliations:** Black Graduate Student Association - Finance Committee Chair (2018) | Minority Engineering Graduate Student Association

### CLAFIN UNIVERSITY

📍 Orangeburg, SC

#### B.S. in Applied Mathematics

- Alice Carson Tisdale Honors College Scholar
- **Honors:** Cum Laude | 100 Black Men Scholar
- **Affiliations:** National Society of Black Engineers - Academic Excellence Chair (2015) | Kappa Alpha Psi Fraternity, Inc. - Vice President (2014)

## CERTIFICATIONS

Data Science Foundations Graduate Certificate by NC State University

Machine Learning Certification by Stanford University (Coursera)

## ACHIEVEMENTS

🏆 Microsoft Azure Machine Learning Scholarship by Udacity

## TECHNICAL SKILLS

Python R Pandas NumPy SQL  
Presto Tableau PowerBI Matplotlib  
GitHub A/B Testing Scikit-Learn VBA

## SOFT SKILLS

Team Oriented Leadership Problem Solver  
Dependable Communication  
Visionary Thinker Adaptable