

Jhalyl Mason

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Summary

Detail-oriented Graduate Computer Science student with a 3.9 GPA, specializing in data analysis, predictive modeling, and machine learning. Proficient in Python and SQL, with extensive experience in data visualization tools such as Tableau. Demonstrated ability to apply statistical techniques and machine learning algorithms to drive actionable business insights. Seeking a data science or analytics internship to leverage technical skills and collaborate on innovative projects that enhance data-driven decision-making and optimize performance in dynamic environments.

Technical Skills

Programming Languages: Python, SQL
Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Tableau
Machine Learning & AI Frameworks: Scikit-Learn, TensorFlow, NLTK
Technologies & Algorithms: Predictive Modeling (Neural Networks, Regression), Clustering, Decision Trees, Random Forest, XGBoost
Other Tools: Apache Spark, Jupyter Notebook, A/B Testing, MS Office Suite

Education

Masters of Science in Computer Science (MsCS), University of Colorado Boulder Graduation: May 2026
GPA: 3.9/4.0
Relevant Coursework: Data Mining, Machine Learning, Probability & Statistics, Data Structures & Algorithms

Machine Learning Specialization, Stanford University April 2024

- Developed supervised models for prediction and classification tasks, achieving accuracy rates above 80%.
- Designed multi-class neural networks with TensorFlow; applied clustering and anomaly detection.

Mathematics for Machine Learning and Data Science Specialization, DeepLearning.AI April 2024

- Mastered optimization, statistical techniques, and function fitting.
- Applied hypothesis testing and statistical measures to validate model performance.

Digital Marketing & E-Commerce Professional Certificate, Google July 2023

- Specialized in A/B testing, ROI, and ROAS analysis, utilizing data to drive strategic decision-making.
- Gained experience in analyzing marketing metrics and optimizing campaigns through data-driven insights.

Projects

Social Media Sentiment Analysis ETL Pipeline — Tools: PySpark, Pandas, TensorFlow, Matplotlib, NLTK October 2024

- Built an ETL pipeline using Spark to clean and process 1.6 million social media records, enhancing data quality for sentiment analysis.
- Employed Pandas for data manipulation and NLTK for text preprocessing (tokenization, lemmatization) to handle unstructured data.
- Trained a TensorFlow model, achieving 75% accuracy on sentiment prediction using binary cross-entropy loss.
- Visualized model performance with Matplotlib, including a confusion matrix to support actionable insights.

Customer Segmentation & Analysis — Tools: Pandas, Matplotlib, Seaborn, Tableau, Scikit-Learn September 2024

- Conducted exploratory data analysis (EDA) on a dataset of 200 customers, revealing key correlations in spending and income behaviors.
- Applied K-means clustering to identify segments, achieving a Silhouette Score of 0.55 for optimized targeting strategies.
- Designed an interactive Tableau dashboard for stakeholders to explore customer segments and make data-driven decisions.
- Delivered insights to improve ROI through targeted marketing strategies tailored to high-potential customer groups.

Exploratory Analysis of NBA MVP Trends — Tools: Pandas, NumPy, Matplotlib, Seaborn August 2024

- Cleaned and engineered a dataset of 6,778 entries, addressing missing values and enhancing data integrity for analysis.
- Analyzed player stats to identify attributes correlated with MVP selection, informing strategic decisions.
- Created correlation matrices and other visualizations to highlight key predictors, enhancing data-driven insights for team strategies.
- Presented findings with visual storytelling techniques, improving stakeholder understanding of MVP trends.

Experience

Information Technology Help Desk Associate, Conduent — remote November 2022 – August 2023

- Performed data-driven analysis of recurring technical issues, identifying patterns that improved efficiency in issue resolution by 15%.
- Provided comprehensive IT support to over 100 users daily, troubleshooting software, hardware, and networking issues, and ensuring 98% customer satisfaction.
- Collaborated with cross-functional teams to develop and implement solutions, strengthening problem-solving and communication skills by delivering clear, technical solutions to non-technical users.

Soft Skills

- Communication & Presentation: Created clear data visualizations and reports to support data-driven decisions.
- Teamwork & Collaboration: Demonstrated by leading customer satisfaction efforts in a team environment.
- Analytical Thinking & Problem-Solving: Applied to data analysis projects and technical issue resolution.