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
Technologies & Algorithms: Neural Networks, Logistic & Linear Regression, Clustering, Decision Trees, Tree Ensemble Methods (Random Forest, XGBoost)
Other Tools: Jupyter Notebook, A/B Testing, MS Office Suite (Word, Excel, PowerPoint), BigQuery

Education

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

Machine Learning Specialization, Stanford University   April 2024
- Developed supervised models for prediction and classification tasks (e.g., logistic regression), achieving accuracy rates above 80%.
- Designed and implemented multi-class classification neural networks using TensorFlow.
- Applied clustering and anomaly detection to identify patterns in complex datasets.

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
- Developed proficiency in analyzing marketing metrics and optimizing campaigns through data-driven insights.
- Gained experience in performance measurement and effectively communicating analytical insights to stakeholders.
- Specialized in A/B testing, ROI, and ROAS analysis, utilizing data to drive strategic decision-making.

Projects

Customer Segmentation & Analysis — Tools: Pandas, Matplotlib, Seaborn, Tableau, Scikit-Learn   October 2024
- Conducted analysis on a dataset of 200 customers, using K-means clustering to identify key segments, achieving a Silhouette Score of 0.55.
- Applied exploratory data analysis (EDA) to uncover patterns in customer behavior, using visualizations to highlight trends and correlations.
- Designed an interactive Tableau dashboard to present findings, enabling stakeholders to explore segment characteristics and make data-driven marketing decisions.
- Delivered strategic recommendations that enhanced targeted marketing efforts.

Exploratory Analysis of NBA MVP Trends — Tools: Pandas, NumPy, Matplotlib, Seaborn   October 2024
- Analyzed a dataset of 6,778 entries, addressing missing and uneven values through advanced data cleaning and feature engineering, ensuring robust analysis and integrity of results.
- Identified key player statistics predictive of MVP selection, correlating insights with historical winners to inform strategic team decisions.
- Conducted thorough exploratory data analysis (EDA) and utilized correlation matrices and visualizations to illustrate relationships between player stats and MVP outcomes.
- Presented findings through clear visual storytelling, enhancing stakeholder understanding and supporting data-driven decision-making.

Experience

Information Technology HelpDesk Associate, Conduent — remote   Nov. 2022 – Aug. 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.
- Led initiatives to improve customer satisfaction, applying analytical thinking to streamline support processes and enhance team collaboration.

Soft Skills

- Strong communication and presentation skills, evidenced by clear data visualizations and reports.
- Effective teamwork and collaboration, demonstrated through leading customer satisfaction efforts in a team environment.
- Problem-solving and analytical thinking, applied to data-driven analysis projects and technical issue resolution.