

Data scientist with expertise in statistical modeling, machine learning, and predictive analytics. Skilled in Python, SQL, and R, with experience in data preprocessing, large-scale analysis, and model evaluation. Strong background in applying data science to real-world problems, including crime analysis, financial trends, and sports analytics. Passionate about leveraging data-driven solutions to optimize operations and improve decision-making

SKILLS

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Tools and Languages	Python, SQL, R, Java
Machine Learning	Logistic Regression, Decision Trees, Random Forest, Gradient Boosting (XGBoost, LightGBM, CatBoost), K-Means Clustering, PCA
Data Visualization	Pandas, NumPy, Matplotlib, Seaborn, Tableau, Power BI
Quantitative Research	Linear Regression, Logistic Regression, Multivariate Regression, Bayesian Inference, Hypothesis Testing (t-tests, ANOVA, Chi-square), A/B Testing, Time Series Forecasting
Communication	English (Fluent)

TECHNICAL EXPERIENCE

PROJECT 1	Fall 2024
<ul style="list-style-type: none">Built a predictive model to assess how community factors impact auto theft rates.Used Random Forest and Gradient Boosting to analyze correlations between crime rates and economic conditions.Processed and cleaned large datasets (crime data, demographic statistics) using Python (Pandas, NumPy).Created data-driven insights to inform law enforcement strategies.	
PROJECT 2	Spring 2024
<ul style="list-style-type: none">Conducted statistical analysis to evaluate how religion, education, and victimization influence trust.Applied multivariate logistic regression to assess key social factors.Used Pandas and NumPy for missing data handling and preprocessing.Created data visualizations to communicate findings to non-technical stakeholders.	
PROJECT 3	Spring 2023
<ul style="list-style-type: none">Developed data-driven models to analyze Charlotte's property value fluctuations.Used Python (Matplotlib, Seaborn) to visualize urban development trends.Suggested predictive insights for future housing market trends based on demographic shifts.	
PROJECT 4	Spring 2025
<ul style="list-style-type: none">Developed a predictive model to analyze the accuracy of pre-game NFL spreads using historical data.Applied Logistic Regression and Random Forest to assess spread reliability and detect inefficiencies in betting markets.Processed and visualized large datasets using Pandas, NumPy, Matplotlib, identifying key trends in spread deviations.Provided data-driven insights on factors affecting point differentials, improving predictive accuracy.	

EDUCATION

Bachelor of Science in Data Science, University of North Carolina at Charlotte	Expected Graduation May 2025
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JOB EXPERIENCE

Spectrum Business Level 2 Business Tech Support	January 2022 – Present
<ul style="list-style-type: none">Diagnosed and resolved complex technical issues for business clients, improving service efficiency.Analyzed network performance trends to assist engineers in troubleshooting outages.Provided data-driven insights to optimize support workflows and reduce customer downtime.	
CarMax Business Office Specialist	April 2015 – September 2021
<ul style="list-style-type: none">Managed financial documents and processed transactions with high accuracy.Assisted in auditing and reconciling reports to ensure compliance with company policies.Coordinated with multiple departments to streamline office operations and improve efficiency.	
Sears Electronics Sales Specialist	August 2012 – April 2014
<ul style="list-style-type: none">Delivered personalized recommendations based on customer needs, increasing sales.Tracked inventory and identified high-demand products to optimize stock levels.Provided technical product demonstrations, enhancing customer purchasing confidence.	