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TYSON KING

Data Scientist

SKILLS

Python, SQL, R, Javascript, Git, MLFlow, Databricks, Machine Learning, Data Visualization, Classification, Optimization.

EMPLOYMENT HISTORY

DATA SCIENTIST   **Jan 2025 - Present**
Cortland   *Atlanta, GA*

- Bridged communication gap between call center and on-site leasing teams by deploying an autonomous AI agent (Databricks, MLFlow, Azure AI Studio) that processes and summarizes touring prospect information
- Engineered end-to-end ETL pipeline integrating several APIs to clean and centralize data into internal data lake, enabling data-driven decision making for revenue management and investment teams
- Built an end-to-end pipeline for cleaning data from various APIs and storing them in our internal data lake for later use in dashboards, modeling, etc.

DATA SCIENCE INTERN   **May 2024 - Sep 2024**
Elevance Health   *Atlanta, GA*

- Optimized automated health insurance claims processing through cross-functional collaboration with claims intake team, implementing enhancements that accelerated claim resolution and reduced manual interventions
- Mined insights from billion-row datasets in Snowflake across health insurance provider and client systems, uncovering several critical inefficiencies that informed process optimization initiatives
- Built real-time diagnostic monitoring system integrating Datadog and Splunk APIs, enabling IT team to proactively identify and resolve performance issues

GRADUATE ASSISTANT - ANALYTICS   **Aug 2023 - Dec 2024**
Georgia Tech Softball   *Atlanta, GA*

- Built a recruiting management platform that aggregates over 800 high school softball schedules across Georgia through web scraping, providing coaches with interactive scheduling interface that streamlined visit scheduling
- Transformed sensor data into actionable coaching insights by developing automated reporting pipelines, analyzing practice and camp performance metrics for 25 athletes to inform recruiting decisions and training strategies
- Developed AI-powered pitch-calling system using convolutional neural networks trained on over 50,000 tracked pitches to provide real-time strategic recommendations during games and scrimmages

EDUCATION

M.S. ANALYTICS   **Aug 2023 - Dec 2024**
Georgia Institute of Technology   *Atlanta, GA*

Analytical Tools Track

B.S. STATISTICS   **Aug 2020 - May 2023**
North Carolina State University   *Raleigh, NC*

Minor in mathematics

PROJECTS

SOFTBALL STATLINE

- Built and launched softballstatline.com, a comprehensive statistics platform serving over 200 monthly active users across the softball community
- Architected full-stack web application featuring real-time statistics, interactive leaderboards, and searchable historical data from over 1000 teams, replacing fragmented data sources with a unified analytics hub