

Stephen Akwaowo

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Profile Summary

Experience in video technology, statistical modeling, and building interactive data apps. Background includes work with the Boston Red Sox and the development of custom tools to visualize player profiles. Skilled in coding with Python, R, and SQL to analyze, visualize, and communicate insights that support performance, strategy, and decision-making. Enjoys translating complex data into clear insights that drive success across organizations.

EXPERIENCE

Video & Technology Associate

Boston Red Sox 📅 December 2022 – September 2023 📍 Salem, Virginia

- Delivered pre-game analytical presentations to pitchers on opposing team tendencies using advanced metrics.
- Managed game and non-game video collection and distribution, ensuring seamless access for coaches and players.
- Operated tracking technologies including Rapsodo, Trackman, Hawkeye, Kinatrax, and Edgertronic systems.
- Supported Spring Training infrastructure; aligned video tools with player development workflows
- Collaborated with the analytics team to distribute custom reports and integrate scouting data into daily planning.

Information Technology Intern

Texas Tech University 📅 August 2021 – January 2022 📍 Lubbock, Texas

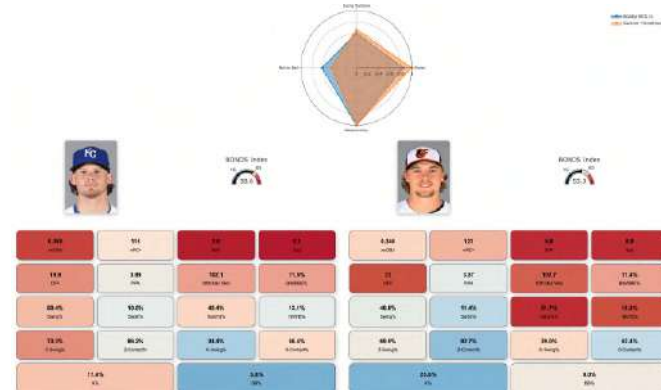
- Provided IT support for staff and student-athletes, troubleshooting systems and mobile devices.
- Designed and implemented small-scale systems for athletics operations with the IT Director.
- Managed independent data projects and assisted in technical operations across sports programs.
- Monitored and maintained video technology and IT infrastructure for Texas Tech Athletics departments.
- Assisted in onboarding and training staff on new software systems, ensuring smooth adoption across multiple teams.
- Helped optimize workflows by identifying and resolving bottlenecks in IT service processes.

Projects

🔗 MLB Batter Clustering App

- Built using R Shiny. Applied Gaussian Mixture Models, dimensionality reduction, and a custom “BONDS Index” to cluster MLB batters by profile. Integrated advanced metrics for team scouting.

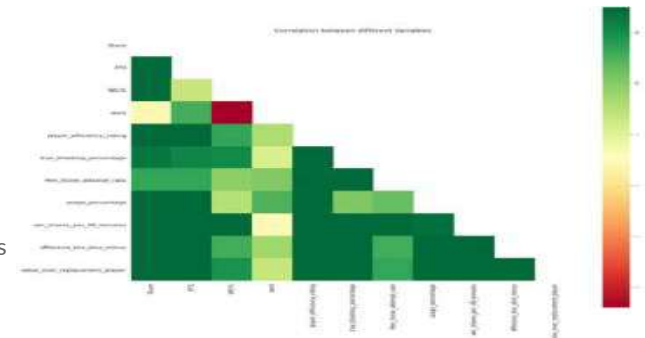
[View App & Methodology](#)



🏆 2022 NBA MVP Predictor

- Built a machine learning model using historical MVP voting data and advanced stats to predict award outcomes. Published exploratory analysis and interactive visualizations.

[View Project](#)



Technical Skills

Python R Tableau SQL
Shiny HTML Java Data Mining

- **Tools & Libraries:** Tableau, Shiny, ggplot2, dplyr, Scikit-learn, Pandas, Git
- **Methods:** Predictive Modeling, Clustering, Forecasting, Reporting Automation

EDUCATION

B.B.A Information Technology

Texas Tech University

📅 January 2019 – December 2022

- Concentration: Business Analysis
- Certificate: Data Analytics