Jivon Parker

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EDUCATION

Baylor University Waco, TX
BBA Management Information Systems, Data Analytics Certificate *Aug. 2020 – May 2024*

SKILLS

Programming: Python, R, SQL
Visualization: Tableau, Power BI, JMP, Excel
Course Work: Advanced Python, Database Foundation, Systems Analysis & Design
Libraries: pandas, NumPy, Matplotlib, ggplot2, XGBoost, AutoGrad, tidyverse

EXPERIENCE

Data Analyst Jul. 2023 – Present
Campus2Canton *Austin, TX*
- Built, validated, and maintained machine learning scripts used to compute Win Percentage Added metrics for predictive modeling across college and NFL datasets.
- Engineered an interactive NFL Player Plotter using Python and CustomTkinter, enabling dynamic metric comparison across players and improving internal analytical workflows.
- Developed Python-based data pipelines and visualization tools that processed 50,000+ PFF pressure-grade datapoints, uncovering performance insights used in weekly content and analysis reports.

Varsity Defensive Coordinator Mar. 2025 – Present
Midland Christian High School *Midland, TX*
- Integrated analytics into weekly game preparation by designing an XGBoost-based run/pass model with 75% predictive accuracy, reducing opponent breakdown time by 5-6 hours per week.
- Managed a staff of four, using data-driven workflows to streamline scouting processes, reporting, and weekly game preparation. Resulting in a top 10 defensive unit in TAPPS football, as well as 11/11 defensive starters to receive all district honors.
- Deployed a Shiny application used by the coaching staff for weekly game planning; processed and analyzed 1,000+ Hudl play-by-play rows per season.

Information Technology Specialist Jul. 2023 – Aug. 2024
Apollo Information Systems *Round Rock, TX*
- Developed an automated document-analysis chatbot to support internal IT workflows, improving request resolution efficiency.
- Automated HubSpot client newsletters with Python and API integrations, cutting manual marketing labor by 50% and saving 5 hours per week for the marketing team.

Data Analyst Intern Jun. 2021 – Aug. 2021
GreySteel *Austin, TX*
- Wrote optimized SQL queries and calculation formulas to support financial modeling of multi-family real estate assets, reducing evaluation and underwriting cycle times by 30%.
- Migrated and cleaned 15,000+ data points from multiple sources into Salesforce, improving reporting accuracy and reducing data entry errors by 40%.

PROJECTS

Elite 11 Analysis | *R, gt* | Elite 11 Analysis Feb. 2024
- Analyzed 15+ years of quarterback performance data to evaluate Elite 11 predictive validity; produced publication-ready tables viewed by 1,000+ readers.

Run Pass Predictor App | *R Shiny, XGBoost* | Run Pass Predictor Nov. 2025
- Built an end-to-end modeling pipeline allowing coaches to upload Hudl play-by-play data and generate run/pass probability predictions using XGBoost.
- Designed the Shiny UI and automated feature engineering, model training, and live prediction output.

GUI Player Plotter | *Python, CustomTkinter* | GUI Player Plotter Aug. 2023
- Designed a desktop application enabling side-by-side quarterback comparisons with adjustable PFF-based metrics.

Rookie QB Report | *R, gt* | Rookie QB Report Nov. 2024
- Built weekly reporting tables combining data from PFF, Nfelo, and Fantasy Data to produce structured quarterback performance summaries.

Mahomes Vs. Brady | *R, ggplot* | MVB Feb. 2025
- Performed a comparative, data-driven review of Super Bowl LIX using custom graphics.