Maximus Alvir

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Summary

Results-driven professional with expertise in data analysis and visualization, complemented by a strong background in Division I Athletics. Proven ability to perform under pressure and deliver actionable insights that drive organizational success. Committed to ongoing skill enhancement and professional development.

Education

Syracuse University, New York — May 2025

Bachelor of Science – BS, Sports Analytics Major, Sports Event Management Minor

Football Analytics Club

Clarkstown Senior High School, New York — June 2021

High School Regents Diploma, 98% Attendance

Professional Experience

Syracuse Football Team • SYRACUSE, NY — 7/2023 – 5/2025

Recruiting and Player Personnel Intern

- Assesses high school football players through hudl using Catapult Thunder to cut up film 10 hours a week
- Scout and report thousands of players from across the country to pass along to coaching staff
- Converse with over 50 recruits per every 12-hour game day about the program

Pro Football Focus — 8/2022 - Present

Quarterback and Coverage Charting Analyst

- Determining if the middle of the field is occupied pre and post snap
- Identified one of the twenty defensive coverage schemes each play
- Accurately chart the quarterback's throw and decisions throughout the 3+ hour game

Projects

Spread Formation Tactical Analysis Model

- Conducted a full-cycle analytics project using nflfastR and Sharp Football data to evaluate how spread formations impact success on short yardage situations
- Engineered features such as spread_usage_pct, play type, formation, and previous play success; built logistic regression models to predict red zone touchdown probability
- Visualized teams over/underperformance by comparing predicted vs. actual red zone TD rates

Running Back Value & Role Classification Model

- Designed and implemented a data-driven model to classify NFL running backs into 3 categories using k-means clustering on opportunity, efficiency, and context-adjusted features.
- Created a normalized Value Score to assess RB performance independent of game script or backfield competition, enabling fairer comparison across offensive schemes.
- Integrated salary cap data to build a contract-adjusted value model, identifying market inefficiencies and optimal roster fits.
- Compared 2025 RB draftees to NFL RBs based on Value Score using Euclidean distance

Fantasy Football Performance Modeling

- Developed and evaluated multiple machine learning models, including regression trees, ensemble models, and a Bayesian framework to project weekly running back and wide receiver performance.
- Integrated opponent strength, game script, and player usage trends using Python and R to generate predictive distributions.
- Designed visual outputs to compare model accuracy and support weekly decision-making.

Certificates

Analyze Data with R on Codecademy June 2025, SQL Course with Codecademy May 2025, BI Dashboards with Tableau in Codecademy May 2025, Microsoft Azure AI Essentials with LinkedIn June 2025, GGPlot Course with Codecademy June 2025

Skills

R, SQL, Python, Tableau, Performance Evaluation, Excel, PowerPoint, Microsoft Azure AI, Data Visualization, Data Analysis Skills