NICK BLAND

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PROFESSIONAL EXPERIENCE

Miami Marlins (Dominican Summer League) — Boca Chica, DR / Jupiter, FL
Player Development Analytics Fellow — *May 2025 – Oct 2025*

- Built and maintained SQL pipelines and automated workflows that delivered daily advance scouting reports to coaching and player development staff at the Dominican Republic Academy.
- Designed pre- and in-game materials (pitch-usage sheets, catcher pitch-calling cards, and visual dashboards) that coaches used directly for game prep and in-game decisions.
- Deployed a Slack scorebot via GitHub Actions that automated live scores and standings for all Dominican Summer League teams, replacing manual tracking.
- Corrected pitch-classification tagging errors to improve data accuracy and consistency across internal tracking and evaluation systems.
- Delivered Spanish-language analytics support daily, translating data-driven development strategies for international players and coaching staff during live games and tech setup.

Cressey Sports Performance — Palm Beach Gardens, FL
Offseason Professional Pitching Intern — *Oct 2024 – Feb 2025*

- Analyzed Trackman data to refine pitch designs for professional pitchers, informing individualized offseason development plans.
- Authored R Markdown reports on bullpen sessions and live at-bats, delivering pitch-level insight to players, coaches, and scouts.
- Applied Theia markerless motion-capture analysis to assess pitcher biomechanics and support efficiency gains and injury-risk reduction.

Boston Red Sox (AAA – Worcester) — Worcester, MA
MiLB Video and Tech Associate — *Mar 2024 – Sep 2024*

- Operated Trackman and Edgertronic systems and analyzed the output to optimize pitcher arsenals in line with individual development plans.
- Charted games and edited bullpen footage in BATS video software for coaching-staff review.
- Updated daily advance scouting reports in R Studio using internal systems and TruMedia data.

Orleans Firebirds – Cape Cod Baseball League — Orleans, MA
MLB Scout Liaison and Analytics Intern — *Jun 2023 – Aug 2023*

- Produced daily advance scouting reports from Synergy, TruMedia, and Trackman data using Python and Excel.
- Served as liaison to MLB scouts, coordinating player information, data, and analysis on game days.

James Madison University Baseball — Harrisonburg, VA
Head On-Field Student Manager & Field Coordinator — *Aug 2019 – May 2023*

- Led a team of 6 student managers across 4 seasons, coordinating field setup, drill support, travel logistics, and NCAA compliance while carrying a full course load.
- Developed daily-operations workflows that improved practice and game efficiency for the coaching staff.

INDEPENDENT ANALYTICS PROJECTS

- Building a Python computer vision pipeline (YOLOv8, OpenCV) that measures pitch spin rate, spin axis, spin efficiency, and seam orientation from 999 fps Edgertronic video; validated against Trackman across 21 pitches and six pitch types with spin rates within 2% for the strongest families, now blind-testing on a held-out 47-pitch session.
- Built an R Shiny app for MLB pitcher outing reports, integrating the Stockyard Baseball API for Stuff+/Location+/Pitching+ grades, heat maps, and movement plots.
- Developed a Python Statcast/MLB data scraper that feeds automated, repeatable pitcher reporting.
- Published a long-form Rays offensive analysis article featuring custom R/ggplot2 visualizations and verified data analysis, promoted across LinkedIn and X.

SKILLS

Languages & Analysis: Python (OpenCV, YOLOv8/ultralytics, NumPy, SciPy, Matplotlib), R (tidyverse, ggplot2, Shiny, R Markdown, baseballr, mlbplotR), SQL
Tracking & Video Systems: Trackman, Hawkeye, Edgertronic, Theia MoCap, KinaTrax, BATS Video
Data Platforms: Synergy, TruMedia, Statcast; automated pipelines (GitHub Actions); Microsoft Office 365
Languages: English (fluent), Spanish (professional working proficiency – coaches and explains analytical concepts)

EDUCATION

James Madison University — Harrisonburg, VA
B.S., Sports and Recreation Management; Minor in General Business — 2023
Dean's List: Fall 2021, Fall 2022, Spring 2023