Diego Osborn

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EXPERIENCE

Baseball Analytics Intern | *UC San Diego Baseball*   Feb 2023 – Present
- Automated previously time-consuming opponent scouting report process to enhance game preparation and save coaches and staff hundreds of hours of manual work every season.
- Involved in player development and analytics with the development of pitch classification, pitch quality (Stuff+), pitch sequencing, and expected models (xERA, xFIP, xwOBA).
- Generated post-game pitching report graphics summarizing each pitch type's metrics (e.g., velo and movement profiles) and visualizing pitch locations/break patterns to help coaches identify areas for improvement.
- 2023 NCAA Division-1 Baseball Big West Conference Championship.

Data Analytics Intern | *UC San Diego Career Center*   Sep 2024 – Jun 2025
- Performed EDA and cleaning on career outcomes data for 12,000+ graduates to support the development of an interactive Power BI dashboard–highlighting insights on salary trends, industries, and top employers for student career planning
- Built a PostgreSQL database to store and query 100,000+ Handshake accounts; categorized alumni by graduation year and degree type, and facilitated the archival of alumni accounts for improved data organization and historical tracking

Baseball Analytics Intern | *Palm Springs Power Baseball*   Jun 2023 – Jul 2023
- Operated the FlightScope tracking system, and tracked and analyzed statistics for the PSCL's (Palm Springs Collegiate League) league website.
- Developed an interactive Looker dashboard with visualizations to assist players and coaches, in the PSCL, with evaluating pitch and batted ball data from FlightScope.

EDUCATION

University of California, San Diego   Sep 2022 - Jun 2026
Bachelor of Science - BS, Data Science; Minors in Economics and Mathematics   *GPA: 3.3/4.0*

Organizations: Triton Ball Sports Analytics Club
Honors: UCSD Eleanor Roosevelt College Honors Program, Provost Honors (3x)
Relevant Coursework: Statistical Modeling and Inference, Machine Learning and Probabilistic Methods, Optimization Methods and Linear Algebra, Data Management and Scalable Systems

PROJECTS

The Effect of Two Strikes on a Hitter's Swing | *JavaScript, d3.JS, HTML, CSS, Python*   May 2025 – Jun 2025
- An interactive website that uses Baseball Savant's new swing angles—attack angle, attack direction, swing path (tilt)—to explore how hitters are adjusting their swing in two-strike counts, featuring league trends, an in-depth analysis on Yordan Alvarez's 2024 season, and a 3D sandbox to visualize the swing changes of every qualified 2024 hitter.

Spotify Popularity Analysis | *Python, Statsmodels, Matplotlib, Seaborn*   Feb 2025 – Mar 2025
- Performed EDA on 100,000+ Spotify tracks to identify key audio features linked to song popularity.

PSCL Interactive Dashboard | *Looker Studio*   Jun 2023 – Jul 2023
- The interactive Looker Studio dashboard that provides a user-friendly interface for coaches and players to track their performances and showcase their abilities to college scouts for the PSCL.

SKILLS

Programming & Scripting Languages: Python, SQL, Java, JavaScript, HTML, CSS, LaTeX
Libraries & Tools: Pandas, NumPy, PyTorch, scikit-learn, Statsmodels, SciPy, Matplotlib, Seaborn, Plotly, d3.js, Psycopg2
Databases & BI: PostgreSQL, SQLite, Tableau, Power BI, Looker
Spoken Languages: English, Spanish

AWARDS

Nanar and Anthony Yoseloff Foundation Scholarship   Jan 2025
Issued by Society for American Baseball Research (SABR)

I am grateful to say that I was selected to receive one of four nationwide Nanar and Anthony Yoseloff Foundation Scholarships to attend the 2025 SABR Analytics Conference.