Esteban Navarro Garaiz

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Experience

Zelus Analytics – *Technical Product Manager*   **2022 – Present.** Mexico City, MX

- Manage the development of baseball's intelligence platform, a multi-million-dollar database with 700+ million records, empowering data-driven decisions in player evaluation, game planning, and draft strategy
- Devise and maintain a product roadmap that aligns with business objectives and pushes the cutting edge of sports analytics, regularly soliciting stakeholder feedback to inform product development decisions
- Implement industry standards and best practices, such as agile methodology, to streamline workflows and optimize product development, accelerating delivery times in a fast-paced startup environment
- Communicate product updates and features to stakeholders through clear documentation, presentations, and reports; highlighting benefits, ensuring understanding and addressing concerns to drive buy-in and adoption
- Empower and mentor junior team members to excel by fostering a supportive remote culture, providing guidance and professional development. Identify and attract talented individuals from diverse backgrounds who are passionate about innovation and pushing the boundaries of data science

Los Angeles Dodgers – *Quantitative Analyst*   **2020 – 2021.** Los Angeles, CA

- Created probability models to describe catcher defense (additional strikes, blocking, stolen base attempts)
  - Used these to create descriptive metrics (framing, blocking and arm) and a projection system on top
- Built a stability / changepoint detection framework for detecting talent changes with confidence intervals
- Lead QA's collaboration with Pro Scouting to prioritize scouting time and improve player acquisition efforts
- Collaborated closely with Player Development to improve analytic tools used in MiLB development

MongoDB – *Data Science Intern*   **2019.** New York, NY

- Created data-driven customer segmentations used for personalized marketing, improving customer retention

Education

New York University – Center for Data Science   New York, NY
Master of Science in Data Science – GPA 3.88   *2018 - 2020*

- Recipient of a CDS DeepMind Fellowship ($25,000) and a Fulbright-García Robles Scholarship ($50,000)
- Course highlights: Machine Learning, Big Data, Deep Learning, Natural Language Processing, Data Engineering for Machine Learning, Optimization and Computational Linear Algebra, Forecasting Time Series Data
- **Capstone project for the Brooklyn Nets:** Created a two-tier ensemble model for NBA shot prediction using high-dimensional tracking data, providing more stable player evaluation https://bit.ly/2wZjZtn

Universidad Nacional Autónoma de México (UNAM)   Mexico City
Bachelor of Science in Mathematics - 9.03 GPA   *2013 - 2018*

- Was an Assistant Professor for Probability I, Stochastic Processes 1 and Select Topics in Operations Research
- For my graduation thesis, I created a soccer prediction model, based on the Poisson Distribution, and applied it successfully to the betting market using the Kelly Criterion https://tinyurl.com/wtpssjt

Skills

- **Product and Project Management:** SDLC, roadmapping, agile methodology, Scrum/Kanban (Jira, Gitlab)
- **Python:** Pandas, NumPy, scikit-learn, Matplotlib, Seaborn, ScyPy, Pytorch, Tensorflow
- **Machine Learning**: Random Forests, Deep Learning, NLP, kNN, Boosting, PCA/SVD, regression, time series
- **SQL:** High querying proficiency. Schema creation and management. Have worked with BigQuery and PosgreSQL
- **Cloud and automation:** GCS suite (BQ, GCS, GKE, Looker), AWS suite (S3, EC2, ECR, K8S), Airflow, Docker
- **Other programming:** Git (high competency), R — Tidyverse (stats, dplyr, ggplot2, tidyr), Hadoop, Spark
- **Other:** Leadership, client communication, Spanish (native speaker; bilingual translation), data visualization