Franco Lorenzino

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Executive summary

Master's student in Data Science with a background in Industrial Engineering and hands-on experience in sports analytics within a Division I basketball program. Skilled in statistical analysis, machine learning, and data visualization, with proven ability to transform complex datasets into actionable insights. Seeking to apply my analytical expertise and engineering foundation to solve complex business challenges and optimize decision-making processes across high-impact industries.

Education

University of the Pacific, Stockton, CA — **May 2026**
Master of Science (M.S.), Data Science
- **GPA:** 3.97/4.0

National University of La Plata, La Plata, Argentina — **May 2023**
Bachelor of Science (B.S.), Industrial Engineering
- **GPA:** 3.1/4.0

Experience

University of the Pacific (Athletics) — **Sep 2024 - Present**
Student Manager, Men's Basketball Team — *Stockton, CA*
- Assisted the Director of Video Analysis and Scouting by analyzing player and team performance data using Python and Excel.
- Ensured accuracy in tracking player statistics, scouting insights, and game preparation.
- Supported team operations including travel logistics and practice setup, developing strong organizational skills.

Engineering and Construction Alsina S.A. — **Feb 2022 - Aug 2023**
Construction Manager — *Buenos Aires, Argentina*
- Led a large-scale project managing nearly 90 workers, ensuring on-time delivery and resource optimization.
- Created analytical reports and visual dashboards in Excel, improving data-driven decision-making.
- Oversaw budgeting and cost analysis for multiple projects, ensuring financial accuracy.

Guanaco Brewing Company — **Dec 2021 - Feb 2022**
Operations & Supply Chain Assistant — *Chubut, Argentina*
- Oversaw stock management, selecting the best products and achieving cost reductions.
- Managed suppliers' relationships, including introducing new suppliers to the company.
- Operated the cash register and delivered excellent customer service to clients.

PIM Orthopedics — **Feb 2018 - Jun 2019**
Operations & Data Coordinator — *Buenos Aires, Argentina*
- Oversaw stock management and created a virtual system to track all product movements for the first time in the company.
- Delivered products to clients according to their specifications and demands.
- Provided customer service to ensure client satisfaction.

Technical Projects

GoPark | AI-Powered Parking Recommendation System — **Sep 2025 - Present**
- **Achievement**: Peer-reviewed paper accepted for publication and presentation at the **IntelliSys 2026 Conference in Amsterdam**.
- Architected a predictive model to optimize urban parking search using FastAPI and PostgreSQL/PostGIS.
- Developed a dual-stage CV pipeline (YOLOv8 & ResNet-18), achieving 97.2% mAP with 5.4ms latency for real-time vehicle detection and size classification.
- Built a custom Regex-based NLP parser that converts natural language to structured JSON, outperforming LLM latency by 500x with a 96% extraction success rate.

Graduate Capstone Project | Absentia Labs — **Feb 2026 - Present**
- Collaborating with Absentia to develop predictive models and business intelligence insights using corporate datasets.

Skills

- **Programming & Tools**: Python (Pandas, NumPy, Scikit-learn, SpaCy), SQL (PostgreSQL/PostGIS).
- **Data Science & Analytics:** Machine Learning (Regression, Classification, Clustering, Neural Networks), Predictive Modeling, NLP, Statistical Analysis, Data Visualization (Tableau, Matplotlib, Plotly, Seaborn), Computer Vision (YOLOv8, ResNet-18).
- **Tools**: GitHub, Conda, Microsoft Excel, Docker.

Key Strengths

- Cross-disciplinary profile: engineering foundation + advanced data science expertise.
- Strong communicator, able to translate complex data into actionable insights.
- Methodical and organized approach to complex problem-solving and project management.