THEO BRAVOS

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PROFESSIONAL SUMMARY

Master's candidate in Business Analytics at USC specializing in financial data science, predictive modeling (XGBoost, Random Forest, SVM), and BI dashboard development. Interned in sports analytics and built models that improved forecasting accuracy and automated reports for decision-making. Former NCAA D1 football player with strong teamwork skills; pursuing a full-time Data Analytics or Financial Analyst role.

EDUCATION

University of Southern California, Marshall School of Business – Los Angeles, CA   **December 2025**
Master of Science in Business Analytics (STEM); Progressive Degree
- Relevant Coursework: Financial Analytics, Business Analytics, Machine Learning in Finance

University of Southern California, Marshall School of Business – Los Angeles, CA   **May 2025**
Bachelor of Science, Business Administration (STEM); Business Analytics Emphasis
- Honors: Dean's List, Presidential Scholar
- Student-Athlete: NCAA D1 Football

DATA SCIENCE PROJECTS

Insurance Loss Analytics, Statistical Learning Methods - USC   **Spring 2025**
- Engineered 20+ features on 37K-record dataset; built XGBoost, RF, SVM, and logistic models. Tuned XGBoost to ROC-AUC 0.929 with 85% recall
- Developed LassoCV and XGBoost-Tweedie regressors to predict loss cost per exposure (MSE ≈ 73K) and adjusted loss (MSE ≈ 705K)
- Presented findings and recommended premium adjustments, reserve allocation improvements, and a monitoring framework for high-risk profiles using Python (pandas, scikit-learn, XGBoost) and PowerPoint

Al-Driven NIL Partnership Optimization Tool, Global MSBA Case Competition - USC   **Spring 2025**
- Designed a gamified AI brand-matching system to optimize NIL partnerships & valuations for athletes, driving sustainable growth for the company and empowering stakeholders in decision-making and placed 2nd

Music Entertainment Analytics, Advanced SQL for Data Analyst - USC   **Spring 2025**
- Performed end-to-end exploratory analysis in PostgreSQL on agents, customers, and engagements
- Built time-series and net-contribution analyses (window functions, CTEs) to identify top performers and under-utilized talent
- Delivered strategic recommendations and mock dashboards (revenue, net result, preference scores) using SQL and Tableau

EXPERIENCE

Prep Baseball Report – Los Angeles, CA   **March 2022 – September 2022**
Scouting and Analytics Intern
- Conducted financial/performance valuations on 100+ players, integrating analytics to optimize recruitment
- Created data-driven reports to guide player contract investments and sponsorship decisions
- Worked with cross-department teams to properly present player performance insights for scouts

Optimal Sports NIL Agency – Los Angeles, CA   **May 2021 – August 2021**
Business Intelligence Intern
- Developed dashboards in Excel to track athlete performance metrics, allowing the agency to optimize future deals
- Analyzed market trends to identify 15+ athlete engagement opportunities
- Collaborated with cross-functional teams, including legal departments, to streamline sponsorship processes

SKILLS, INTERESTS & CERTIFICATIONS

- **Data Science and Visualization:** Python, SQL, R, Statistical Modeling, Tableau, A/B Testing
- **Machine Learning & AI**: Predictive Models, LSTM, CNN, Reinforcement Learning, Time Series Forecasting
- **Financial Analysis**: Market trend analysis, investment modeling, risk assessment
- **Interests:** Sports, Physical and Mental Health, Legos, Country Music, Cars