Andres Gutierrez

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EDUCATION

Bachelor of Arts in Data Science, *University of California, Berkeley* — **May 2026**
Emphasis: Linguistic Sciences — GPA: 4.0
Relevant Coursework: Principles & Techniques of Data Science, Probability for Data Science, Foundations of Data Science, Computational Structures in Data Science, Data Structures, Linear Algebra, Differential Equations, Language and Thought
Extracurricular Activities: Sports Analytics Group at Berkeley (SAGB), Business Careers in Entertainment Club (BCEC), IM Soccer
Associate of Science in Mathematics, *American River College* — **May 2024**

CERTIFICATIONS

Quantitative Research Virtual Experience, *JPMorgan Chase & Co.* — **January 2025**
Introduction to Computer Science and Programming Using Python, *MITx* — **October 2021**

EXPERIENCE

National Basketball Players Association (NPBA) — **February 2025 - Present**
Sports Business Strategy Consultant with BCEC — *Berkeley, CA*
- NDA Protected Project

UC Berkeley College of Computing, Data Science, and Society — **January 2025 - Present**
Undergraduate Course Staff (Tutor) - Foundations of Data Science — *Berkeley, CA*
- Foster student agency and comfort with introductory statistical and coding techniques by instructing 4-5 students weekly through guided 1-hour lesson plans and office hours that teach course fundamentals at an approachable pace
- Enhance student mastery of course concepts by grading approximately 200 assignments weekly with constructive feedback

Major League Soccer (MLS) — **August 2024 - December 2025**
Data Scientist Consultant with SAGB — *Berkeley, CA*
- Identify key performance indicators of Soccer players' performance with 90% confidence by conducting A/B testing and hypothesis validation on a dataset of 10000 player entries from the English Premier League to inform MLS scouting strategies
- Fashion statistical findings into presentable visual formats friendly to both technical and non-technical audiences

Franchise Tax Board of California (FTB) — **May 2023 - January 2024**
Linux / Unix Support Team Member — *Sacramento, CA*
- Created documentation of routine technical server patches and installation to reduce future implementation time
- Achieved efficient project turnaround and streamlined operations by directing 100 daily work orders from FTB agents for a team of 5 Linux/Unix admins, overseeing server patches, access management, and file collections supporting internal systems
- Ensured seamless access for over 500 tax agents by maintaining server infrastructure across the organization.

PROJECTS

UEFA Euros Match Predictor — **May 2024 - July 2024**
Data-Driven Forecasting
- Optimized a Random Forest Classifier on web-scraped data with BeautifulSoup and requests from 1000+ official UEFA matches to achieve prediction accuracies of 50-75% on test data and 50% for unseen match-ups in the the UEFA tournament
- Simulated the entire UEFA Euro 2024 tournament repeatedly to generate probabilistic forecasts for different stages and overall winners against margins of error for non-occurring match-ups, crowning the future correct winner: Spain

Prosthetic Hand Snapchat Filter — **September 2022**
Entry for Snapchat's 2022 Lensathon
- Developed an immersive augmented reality experience using Lens Studio's 3D-modeling and motion-tracking, enhancing user expression and engagement while promoting empathy and inclusivity for individuals with physical differences
- Engaged 300,000 impressions through targeted social media marketing strategies, maintaining 200 subscribers

Robots A.I — **September 2022 - December 2022**
Generative Reinforcement Learning
- Engineered a sophisticated C++ simulation modeling robot evolution and navigational decision-making in simulated grid environments, leveraging advanced object-oriented programming techniques to produce 83% precision in correct choices
- Implemented a custom genetic algorithm framework to simulate evolutionary patterns of robot behavior across multiple generations from a pool of 1,000,000,000+ unique gene sequences that converged on informed-decision making

TECHNICAL SKILLS & TOOLS

Skills	Goal-oriented, Communication, Statistical Inference, Data Analysis & Visualization, Machine Learning
Tools and Languages	Microsoft Office, git, Python, SQL, C++, Pandas, requests, BeautifulSoup, scikit-learn, matplotlib
Interests:	Pickup Soccer, Live Music, Mario Kart, Reading