Kalkidan Berhe Gebrekirstos

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EDUCATION

University of California, San Diego — La Jolla, CA
Bachelor of Science in Data Science, Minor in Economics — *Sep. 2024 – June 2026*

EXPERIENCE

Data Analytics Extern — July 2025 – Present
Beats by Dre – Externship Program — *Remote*
- Performed qualitative and quantitative analysis using Python and data visualization tools to uncover consumer trends and product sentiment.
- Applied AI-powered analytics and sentiment analysis on social media and customer reviews to inform product development.
- Conducted competitor benchmarking and market research to support strategic decision-making.

Lead Project Manager, Sports Analytics — April 2025 – Present
Eclipse Analytics — *San Diego, CA*
- Oversee two research teams focusing on statistical modeling and predictive analytics in professional basketball and football.
- Guide project direction and timelines, ensuring actionable insights and data integrity across analyses.
- Utilize advanced sports analytics techniques to support data-driven storytelling and performance evaluation.
- Coordinate regular syncs and mentorship to elevate technical development and collaboration within the analyst teams.

Coding Camp Organizer (Team Member) — October 2024 - March 2025
Kikclub (Sponsored by Tri Indonesia) — *Remote*
- Collaborated internationally to organize and conduct virtual coding camps emphasizing programming fundamentals and data analysis.
- Evaluated participant feedback and performance data to enhance teaching methodologies and curriculum continuously.
- Advocated for an inclusive and accessible learning environment through data-informed content improvements.

Dream STEM Lead — February 2022 - June 2024
UCodeGirl — *Remote*
- Developed a resource-driven website assisting immigrants entering the U.S. technology sector, utilizing analytics for content curation.
- Improved website accessibility and usability through data-driven UI/UX enhancements.
- Integrated insights from ongoing research to address user needs, continuously refining resources based on user analytics.

PROJECTS

Sports Betting Behavior Analysis | *Livesports API, Python (Pandas, Matplotlib, Seaborn), Excel* December 2024
- Analyzed the impact of real-time odds updates from sports prediction apps on betting behavior for EPL and NFL games
- Performed exploratory data analysis (EDA) using Pandas and visualized key insights with Matplotlib and Seaborn
- Conducted statistical tests including regression analysis, A/B testing, and hypothesis testing to assess betting strategies and financial outcomes

Medical Bill Decoder App | *Swift, Python (NLP), Xcode, iOS Development* — March 2025
- Developed a mobile app leveraging Natural Language Processing (NLP) to decode complex medical bills and explain healthcare charges
- Enabled personalized cost estimation, helping users understand billing components and potential expenses upfront

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R, Stata, Julia
Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, Jupyter Notebook, Jira, Eclipse, A/B Testing
Libraries: pandas, NumPy, Matplotlib