Andrew Sosa Guaita

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Applied Mathematics student at UC Berkeley with experience in data analytics, statistical modeling, and machine learning. Proven track record developing data pipelines, analyzing business performance metrics, and conducting experimental analysis through internships at Motorola Solutions and Driscoll's.

EDUCATION

University of California, Berkeley **Berkeley, CA**
B.A. in Applied Mathematics: Statistics Expected May 2025

- **Relevant Coursework:** Modern Statistical Prediction and Machine Learning, Probability, Statistics, Time Series, Abstract Linear Algebra, Abstract Algebra, Real Analysis, Numerical Analysis
- **Organizations:** Mathematics Undergraduate Student Association, MPS Scholars
- **Other:** Deep Learning for Visual Data, Competitive Programming

Cabrillo College **Aptos, CA**
A.S. in Computer Science, Mathematics, and Economics August 2020 – May 2023

- Graduated with Honorable Mention; Completed research paper on the economic impact of AI

EXPERIENCE

Motorola Solutions, Inc. **Remote**
Data Science Intern May 2024 – Present

- Designed and implemented large-scale statistical analysis of 10,000+ configurations using Python
- Engineered scalable data pipeline transforming complex radio files into structured datasets
- Led cross-functional analysis with UX team to analyze user behavior, informing product design
- Developed data visualization dashboards and implemented sales metrics for business strategy
- Created usability testing platform using generative AI for automated persona creation and testing

Driscoll's, Inc. **Watsonville, CA**
Demand Management Intern May 2023 – August 2023

- Developed automation scripts using Excel, reducing data processing time by 40 hours per week
- Implemented data cleaning and validation processes using Excel, improving supply and demand forecast accuracy by 90%
- Designed Tableau dashboards and consolidated reports for daily supply and demand alignment meetings, collaborating across organizational units to integrate multi-source data

PROJECTS

Berkeley Rental Market Analytics Tool (BerkeleyNest.com)

- Developed full-stack data science platform with cloud-based infrastructure processing 5000+ listings
- Engineered ETL pipeline with real-time data visualization on GCP using Python and NoSQL
- Created interactive data visualization dashboard using React for real-time market trend analysis
- Developed machine learning model using TensorFlow achieving 85% accuracy in price predictions

SKILLS

Programming: Python, SQL, R, C++, MATLAB, Bash
Tools: Excel, Tableau, GCP, Git, Jupyter Notebooks
Analytics & ML: Statistical Analysis, Data Visualization, Machine Learning