Kai Barker

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EDUCATION

University of California, Santa Barbara   Expected Graduation: June 2026
B.S. in Statistics and Data Science   Major GPA: 3.8 | Cumulative GPA: 3.75
Relevant Coursework
Linear Algebra, Differential Equations, Technology Management, Probability and Statistics, Proofs, Problem Solving with Computer Science, Proofs in Computer Science, Database Analysis and Construction, Regression Analysis

WORK EXPERIENCE

Tillys (Management)   July 2024- Present
Assistant Store Manager   Santa Barbara, CA
- Generated over $30,000 in personal sales through customer service skills and extensive product knowledge
- Managed the sales floor, monitoring employees and customers to meet sales goals and enhance store performance
- Assessed team strengths and areas for improvement to optimize efficiency and elevate customer experience

Blockchain and Property Rights Research (UCSB)   September 2024- Present
Research Assistant   Santa Barbara, CA
- Examined inequality in cryptocurrency markets while gaining a detailed understanding of blockchain technology
- Analyzed over 10 million Ethereum wallets using Python, handling large data sets to generate meaningful insights
- Developed and refined data analysis methods to enhance project outcomes and highlight wealth distribution trends

Ideathon 2.0 (Liner)   November 2024- November 2024
Consultant   Santa Barbara, CA
- Collaborated with a team of three to identify key pain points faced by students and researchers using Liner AI
- Developed and proposed new features to improve Liner's functionality, focusing on enhancing user experience
- Created a roadmap and Go-to-Market strategy for implementing proposed features, ensuring seamless integration

PROJECTS & ACTIVITES

Collegiate Activities   September 2022- Present
Club Involvement, TMP, Scholarship Recipient   Santa Barbara, CA
- Active member in intermural sports, Data Science Club, and Ski and Snow Club
- Pursuing certification in Technology Management at UCSB

Predicting the Stock Market with Neural Networks   October 2024- Present
Project Manager/Director   Santa Barbara, CA
- Dedicated extensive hours to research and understanding of Neural Networks and their processes
- Effectively managed and coordinated group efforts and project timelines to ensure steady progress

Player Props Sports Betting Model   July 2024- Present
Personal Initiative to Enhance Skills   Santa Barbara, CA
- Completed Machine Learning course through MIT OpenCourseWare to build foundational knowledge.
- Dedicated extensive hours researching and developing a machine learning model to predict over/under player prop bets based on NBA player statistics.

SKILLS, INTERESTS & HONORS

Skills: Microsoft Excel, Microsoft Office Suite, Canva, R, SQL, Python, JavaScript, Java, C++, Time Management, Data Analysis, Communication, Public Speaking, Customer Service, Sales

Honors & Activities: HS Valedictorian, Seal of Biliteracy (Spanish), Dean's List for Academic Excellence, Recipient of full-tuition grants and scholarships

Interests: Basketball, Football, Pickleball, Gym, Camping and Hiking, Rock Climbing, Skydiving, Running