

# Kai Barker

(530)-575-7568 | [kaiandreasbarker@gmail.com](mailto:kaiandreasbarker@gmail.com) | <https://kai-portfolio-website.vercel.app/>

---

## EDUCATION

---

**University of California, Santa Barbara**

*B.S. in Statistics and Data Science*

Expected Graduation: June 2026

Major GPA: 3.88 | Cumulative GPA: 3.79

### Relevant Coursework

Machine Learning, Time Series, Differential Equations, Technology Management, Probability and Statistics, Proofs, Problem Solving with Computer Science, Stochastic Processes, Applied Stochastic Processes, Regression Analysis

## WORK EXPERIENCE

---

### Blockchain and Property Rights Research

September 2024- Present

*Research Assistant (UCSB)*

Santa Barbara, CA

- Examined inequality in cryptocurrency markets while gaining a detailed understanding of blockchain technology
- Analyzed over 100 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

### Tillys (Management)

July 2024- August 2025

*Assistant Store Manager*

Santa Barbara, CA

- Generated over \$50,000 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

### Ideathon 2.0 - Liner

November 2024- November 2024

*Consultant*

Santa Barbara, CA

- Diagnosed key pain points through targeted customer surveys and in-depth product analysis
- Proposed growth solutions that deliver a clear competitive edge, compiled into a data-backed pitch deck
- Created a roadmap and Go-to-Market strategy for implementing proposed features, ensuring seamless integration

## PROJECTS & ACTIVITIES

---

### Collegiate Activities

September 2022- Present

*UCSB*

Santa Barbara, CA

- Active member in intermural sports, Data Science Club, and Ski and Snow Club
- Pursuing certification in Technology Management

### Personal Portfolio Website

June 2025-July 2025

*Project*

Santa Barbara, CA

- Designed and built a fully responsive portfolio using Next.js, Tailwind CSS, and Typescript
- Integrated scroll-based animations, optimized images, and deployed with Vercel
- Live demo (also linked in header): <https://kai-portfolio-website.vercel.app/>

### Predicting NBA Stats with Machine Learning

July 2024- Present

*Project*

Santa Barbara, CA

- Implemented a machine learning model to predict NBA players rebounds for upcoming games
- Collected and processed real-time season data using NBA API to engineer features based on performance trends
- Trained and tuned a Random Forest Regressor model that achieved a 75% win rate vs. major sportsbooks (O/U)

## SKILLS, INTERESTS & HONORS

---

**Skills:** Microsoft Excel, Microsoft Office Suite, CSS, HTML, 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

**Interests:** Basketball, Gym, Camping and Hiking, Rock Climbing, Running, Cooking