

Tommaso Sini

tsini@stanford.edu • 561-815-9151 • Stanford, CA

EDUCATION

Stanford University

Bachelor of Science in Mathematics

GPA: 3.90/4.0 | SAT: 1550 (800 M, 750 V) | National Merit Scholar

Activities: ACM Poker, Sigma Nu, Blockchain Club, ASES, Powerlifting Club, Stanford Argentinos

Stanford, CA

Expected June 2028

WORK EXPERIENCE

North Rock Capital

Quantitative Research Intern

- Built data-driven stock peer groups with higher intra-group return correlation than GICS sectors using K-means clustering on return and fundamental features
- Cut out-of-sample earnings-surprise RMSE up to 20% vs. broker consensus with a dynamic factor model (PCA, Linear Regression, Kalman filter, EM) that infers common shocks from early-reporting peers to nowcast earnings surprises
- Developed market-neutral strategies earning out-of-sample Sharpe ratios above 1.0 on stock-specific returns

Palm Beach Gardens, FL

July 2026 - September 2026

Bregal Sagemount

Private Equity Analyst

- Built AI-driven screening and diligence workflows to analyze large datasets of growth-stage software companies, evaluating business models, market positioning, growth characteristics, and investment fit
- Delivered a top-ranked investment pitch on six sourced growth-stage software companies, backed by valuation and diligence, leading the CEO to pursue two as firm targets

Palo Alto, CA

September 2025 - December 2025

EXTRACURRICULAR ACTIVITIES

Stanford ACM

Poker Division Officer

- Placed 3rd in Stanford's annual Poker Tournament, advancing through an online qualifying round to compete in the in-person final against top student players
- Help organize and grow Stanford ACM's Poker Division by recruiting guest speakers and planning tournaments

Stanford, CA

May 2026 - Present

Weekly Theta - 501(c)(3)

Co-Founder

- Co-founded a financial education nonprofit producing accessible market, investing, and financial literacy content, generating 500K+ YouTube views and reaching 15K+ monthly readers through daily written publications
- Designed and led financial literacy workshops reaching 500+ students and adults, developing educational programming around fundamental investing principles, portfolio construction, and long-term financial decision-making
- Partnered with the Hispanic Human Resources Council and LearnToBe, earning a CBS 12 News feature

Jupiter, FL

August 2022 - May 2025

PROJECTS & RESEARCH

Reinforcement Learning Market-Making in Prediction Markets

Researcher, CME 241 with Prof. Ashwin Rao, Stanford ICME

- Built a market-making agent for hourly BTC Polymarket contracts balancing spread capture and inventory risk
- Beat dynamic-programming benchmarks out-of-sample on fill rate and P&L via Dueling DQN (RLlib)

Stanford, CA

January 2026 - March 2026

Can Prediction Markets Scale in Both Liquidity and Forecasting Value?

Researcher, PWR 1 with Dr. Mutallip Anwar, Stanford PWR

- Analyzed how liquidity, bid-ask spreads, and market-maker participation shape prediction-market accuracy
- Argued market-maker liquidity improves execution but embeds event-risk premia, diluting crowd forecasts

Stanford, CA

April 2026 - June 2026

SKILLS AND INTERESTS

Skills: Python, LaTeX, SQL, Machine Learning, Data Analysis, AI Software Development, English & Spanish

Interests: Poker, Prediction Markets, Fitness, Watersports, Italian Food, NBA/NFL, Padel, 2010s Hip-Hop