Conrad Voigt

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EDUCATION

University of California - Santa Barbara — ***Santa Barbara, CA***

Master of Arts in Mathematical Statistics | GPA: 3.80 — *Expected Graduation June 2027*

- **Research Interests:** Mechanism design and stochastic control, applications in compute markets and prediction markets.
- Additional works in time series, machine learning, and gaussian processes (see GitHub page).
- **Involvement & Scholarship:** NCAA Division I Student-Athlete in Track and Cross Country (20+ hours per week of athletic commitment; Team MVP Award, Big West All-Academic Honors); Full academic scholarship and stipend.

Stetson University — ***Deland, FL***

Bachelor of Science in Applied Mathematics and Economics | GPA: 3.95 (summa cum laude) — *August 2022 – May 2025*

- **Thesis:** "Predicting Prediction Markets: A Beta-Hidden Markov Modeling Approach".
- Several student-faculty research projects on ML and optimization across computer science, economics, and finance.
- **Involvement:** NCAA Division I Student-Athlete; Student Athlete Advisory Committee; Volunteer at several fundraising sports events; Presented at multiple research symposia including at the SEA Annual Meeting in D.C.; Lead Economics and Econometrics Tutor.
- **Honors:** Full-ride academic & athletic scholarship; Outstanding Senior in Mathematics and Economics; Dean's List (6x); ASUN All-Academic Team; Omicron Delta Epsilon (Economics); Pi Mu Epsilon (Mathematics); President's Club (2x); Honors Program.

Friedrich Alexander University – Erlangen/ Nürnberg — ***Erlangen, Germany***

Intermediate State Examination in Jurisprudence | GPA: 11.25 points (top 10%) — *April 2022 – July 2023*

- **Coursework:** constitutional, civil, criminal, procedural, and administrative law, legal economics, French, Spanish, Arabic.

PROFESSIONAL EXPERIENCE

Millennium Management, LLC — ***New York, NY***

Quantitative Research Intern — *June 2026 – August 2026*

- Priced linear/ non-linear fixed income, rate/FX derivatives, and structured credit on the central Portfolio Pricing and Valuations desk.
- Assisted in executing firmwide intraday/EOD PnL attribution and resolving valuation queries for portfolio managers and traders.
- Built a custom model to address trading window mismatch in the cross-currency curve: deployed a predictive ML framework to forecast swap quotes, optimized curve interpolation, and synthetically reconstructed the basis to correct daily PnL discrepancy.
- Monitored curve shifts, key rate durations, and market risks across firm-wide fixed income portfolios.
- Developed internal automation tools using LLM agents to streamline daily valuation checks and recurring desk workflows.

Department of Statistics and Applied Probability, UC Santa Barbara — ***Santa Barbara, CA***

Teaching Assistant — *September 2025 – Present*

- Lead weekly discussions & labs for courses in data science, statistics, and stochastic processes.
- Developed & graded assignments, provided targeted feedback on students' analytical and computational work.
- Provided academic support via office hours, clarifying theory & assisted with practical implementation in Python, R, and SQL.

Independent Trading & Investment — ***Remote***

Self-Directed Value Investor — *January 2021 – Present*

- Grew a concentrated portfolio of equities and long dated options to a six-figure value, achieving a 28% annualized return.
- Managed 10–15 positions selected based on intrinsic value and macroeconomic trends.
- Applied a time arbitrage strategy focused on long-term mispricings in businesses with durable fundamentals and a margin of safety.

Polymarket Systematic Trading — *August 2025 – Present*

- Architected a simulation framework to model microstructure-aware market making across 1,500+ simultaneous order books.
- Built real-time data ingestion and order-routing pipelines integrating REST and WebSocket APIs for order book reconstruction.
- Evaluated strategies capturing bid-ask spreads and liquidity rewards, projecting a 43% annualized return and Sharpe ratio >5.

Quanta Services, Inc. — ***Houston, TX***

Investor Relations Intern — *June 2025 – August 2025*

- Prepared strategic earnings call materials and created comprehensive documents to prepare senior leadership for investor calls.
- Informed executive strategy by managing the investor database, analyzing sell-side research, and reconciling analyst models.
- Assisted the FP&A department with valuation modeling and financial due diligence for potential M&A transactions.

Roland George Investment Program — ***DeLand, FL***

Lead Sector Analyst and Quantitative Researcher — *May 2024 – May 2025*

- Led real estate equity research for a $6.5M student-managed fund, conducted fundamental valuations, and pitched recommendations.
- Developed systematic strategies, including a ML–based model that achieved a 24.1% annualized return over a 40-year backtest.
- Co-authored equity research that secured the 3rd place out of 20+ statewide teams at the 2025 CFA Research Challenge Florida Finals.

Bundestag (German Federal Parliament) — ***Berlin, Germany***

Legislative Aide Intern — *February 2022 – April 2022*

- Supported Mrs. Bubendorfer-Licht (MP) by conducting political research, producing reports, and managing citizen communications.

SKILLS

- **Programming & Software:** Python, R, SQL, Excel, FactSet, Bloomberg, PowerPoint, LaTeX, Stata.
- **Languages:** English (Near Native), German (Native), Latin, French & Spanish (Basic).