Conrad Voigt

(813) 296 - 0977 |conrad.voigt18@gmail.com| https://conradvoigt.github.io/

EDUCATION

University of California - Santa Barbara — ***Santa Barbara, CA***
Master of Science in Statistics and Financial Mathematics — *Expected Graduation June 2027*

- **Research Interest:** Machine and Deep Learning for Prediction Market Pricing; Quantum Computing in Finance
- **Involvement & Scholarship:** NCAA Division I Student-Athlete; Full Academic Stipend.

Stetson University — ***Deland, FL***
Bachelor of Science in Applied Mathematics and Economics | GPA: 3.95 (summa cum laude) — *August 2023 to May 2025*

- **Thesis:** "Predicting Prediction Markets: A Beta-Hidden Markov Modeling Approach"
- **Involvement:** Several student-faculty research projects (Economics, Computer Science and Finance, see https://conradvoigt.github.io/ for full text papers and project details): Dean's Fund Award to Present at the SEA Annual Meeting; Presented at the Stetson Research Symposium (3x).
- **Honors & Scholarships:** NCAA Division I Student-Athlete; Full academic and athletic scholarship; Outstanding Senior in Mathematics; NCAA Division 1 ASUN All-Academic Team; Dean's List (6x).

Saint Leo University — ***Saint Leo, FL***
Bachelor of Science with Honors in Economics | GPA: 4.0 — *August 2022 to May 2023*

- **Honors & Involvement:** Full academic and athletic scholarship; NCAA Division II student-athlete; Honor's Program; All-Academic Athlete; President's Club (2x), Dean's List (2x).

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

- **Coursework:** Constitutional, Civil, Criminal, Procedural, and Administrative Law, Legal Economics, French, Spanish, Arabic.

PROFESSIONAL EXPERIENCE

Department of Statistics and Applied Probability, UC Santa Barbara — ***Santa Barbara, CA***
Research and Teaching Assistant — *September 2025 – Present*

- Leads weekly discussion and lab sections for undergraduate courses in financial mathematics and quantitative finance, reinforcing core concepts such as stochastic calculus, asset pricing, and risk management.
- Develops and grades homework assignments, quizzes, and programming projects, providing targeted feedback to students on their analytical and computational work.
- Holds regular office hours to provide one-on-one academic support, clarifying complex theoretical material and assisting students with practical implementation in Python and R.

Independent Investment Account — ***Remote***
Polymarket Automated Market Maker — *May 2025 – Present*

- Engineered a fully automated market-making system, architecting a modular infrastructure in Python that runs autonomously on a cloud platform server.
- Automated the complete trading lifecycle through the order book API for quoting and order management, while continuously recording live order book data via WebSocket for backtesting and model refinement.
- Implemented a dynamic risk management model that adapts to changing market regimes by analyzing order flow imbalance and short-term volatility to predict price movements and detect adverse selection.
- Built a microstructure-aware quoting strategy centered on a reservation price, which actively manages inventory risk and skews quotes to maintain balanced, two-sided liquidity.
- Currently develops advanced capabilities, including cross-asset statistical arbitrage and machine learning models for alpha generation and an Almgren-Chriss framework for optimal trade execution.
- Backtests project high risk adjusted returns (Sharpe >5), with profits derived from a combination of capturing the bid-ask spread and earning rewards for liquidity provision.

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

- Grew a concentrated, long-only portfolio to a six-figure account with a 32.7% annualized return, using a time arbitrage approach focused on long-term mispricings.
- Manages a 10–15 stock portfolio with low market correlation, selecting positions based on macroeconomic trends and intrinsic value assessments.
- Emphasized businesses with durable fundamentals, strong capital allocation, and clear margin of safety, supported by deep fundamental and macroeconomic analysis.

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Quanta Services, Inc. — ***Houston, TX***
Investor Relations Intern — *June 2025 - Present*

- Contributed to an award-winning program under an "Institutional Investor" IR Hall of Famer, supporting the development of strategic communications and the preparation of materials for the quarterly earnings cycle.
- Informed executive strategy through comprehensive analysis, including managing the investor database, evaluating sell-side research and perception studies, and reconciling analyst models against internal forecasts using FactSet.
- Played an integral role in preparing senior leadership for investor interactions by developing an internal Q&A document to anticipate analyst questions for the quarterly earnings call.
- Collaborated with the FP&A division to support the evaluation of potential M&A transactions, assisting with valuation and financial due diligence.

Hatter Angel Network — ***Deland, FL***
Venture Capital Investment Analyst — *January 2025 – May 2025*

- Evaluated 40 startups at the Florida Venture Forum through direct founder meetings, due diligence calls, and market research.
- Ranked top 3 investment opportunities based on an 8-factor scoring system: selected TITL for final research and pitch.
- Built detailed financial models, developed a 30-slide investment deck, and presented findings to a panel of investors and venture partners.

Roland George Investment Program — ***DeLand, FL***
Lead Sector Analyst and Quantitative Researcher — *May 2024 – May 2025*

- Leads real estate equity research for a $6.5M student-managed portfolio; prepares pitch decks and valuations using DCFs, comparables, asset pricing models, and Bloomberg.
- As quantitative researcher for the Quick Reaction Fund (QRF): Developed several quantitative models outperforming the market, e. g. a machine learning strategy that achieved a 24.1% annualized return over 40 years of backtest.
- Placed among top 3 for written equity research report in the Florida Finals of the 2025 CFA Institute Research Challenge, outperforming over twenty teams statewide.

Academic Success, Stetson University — ***DeLand, FL***
Economics Tutor and Econometrics Lab Assistant — *January 2024 – May 2025*

- Independently organizes lessons, schedules and content, ensuring effective course delivery.
- Designs and leads tutoring sessions for advanced economics and econometrics, enhancing student understanding of complex econometric methods and statistical modeling.

Bundestag (German Federal Parliament) — ***Berlin, Germany***
Legislative Aide Intern — *February 2022 – April 2022*

- Provided direct support to Mrs. Bubendorfer-Licht (Member of Parliament) by preparing & attending meetings.
- Conducted in-depth research and produced reports on various political topics and Managed communication with citizens.

LEADERSHIP ACTIVITIES & EXTRACURRICULARS

- **Student Athlete Advisory Committee Member** | Advocate for student-athlete welfare and campus engagement.
- **Volunteer Coach, TV 1848 Erlangen Sports Club** | Mentored youth athletes, focusing on discipline and teamwork.
- **Event Volunteer** | Assisted in organizing sporting events in Tampa and Orlando.
- **Academic Honor Societies** | Omicron Delta Epsilon (Economics); Pi Mu Epsilon (Mathematics).

SKILLS

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