Kaushik Kancharla

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EDUCATION

University of Chicago   **May 2026**
M.S. Statistics (Focus in Financial Mathematics)   *Chicago, IL*

University of Wisconsin – Madison   **May 2023**
B.S. Data Science and B.S. Biochemistry   *Madison, WI*
- Relevant Courses: Probability Theory (A), Mathematical ML (A), Time-Series Analysis (A)
- Organizations: Cardinal Trading Group (Co-Founder), Delta Chi Fraternity (Scholarship Chair)

EXPERIENCE

Dun & Bradstreet   **May 2024 – Present**
Quantitative Analyst/Data Scientist Intern   *Jacksonville, FL*
- Assisting the Risk Analytics team in developing a predictive model to forecast financial ratios and indicators for private companies.
- Compiled and analyzed extensive datasets to identify significant correlations and create segmented GLM models; presented these findings to upper management. Received part-time offer at the end of the internship.

Apriora (YC Backed Startup)   **Aug. 2023 – Present**
Content Developer   *Madison, WI*
- Collaborated with a small team of software engineers and other content devs to create educational content to over 10K+ monthly users.
- Developed 200+ probability and logic questions along with solutions and randomization scripts.

UW Cardinal Trading Group   **Sept. 2022 – Sept. 2023**
Co-Founder   *Madison, WI*
- Founded UW Madison's official student-run quantitative trading club to develop trading strategies and enrich members' learning through work sessions and computational projects. Managed team of 20 students total.
- Led quantitative analytics team to effectively find alpha and exploit market inefficiencies using a statistical arbitrage strategy, leading to a hypothetical 30% annual return.

ADP Inc.   **June 2022 – Aug. 2022**
Data Engineering Intern   *Alpharetta, GA*
- Collaborated with the Distributed Databases team to engineer a continuous data-pipeline with an elasticsearch architecture, syncing deployment with internal company-wide tools using Kubernetes.
- Received a full-time offer due to excellent findings which included how to connect company virtual machines to Elastic using Dockers as well as issues with cluster architecture and solutions.

UW Center of Mathematical Studies/Mathnasium/Huntington   **Sept. 2017 – Present**
Mathematics Mentor/TA   *Multiple Locations*
- Led mentorship sessions and created problem sets, teaching advanced undergraduate level mathematics to students. Commended by the centers for creativity and intuition-first approach.
- Cultivated the ability to articulate advanced concepts into a concise and digestible manner, raising student scores by up to two letter grades.

PROJECTS

Quantitative Sports Betting
- Developed probability based systematic trading strategies for sports markets.
- Turned an initial $1000 investment to over $5000 over a year long period using a multistrat approach (+EV, Correlation, Middling).
- Modeled position sizing using the Kelly Criterion to maximize long term returns.

Black-Scholes Implied Volatility and Greeks Calculator
- Computed Euro Options' IV and Greeks using Option Prices and the Black-Scholes model inputs.
- Employed interative Newton-Raphson algorithm to compute implied volatility accurately.

TECHNICAL SKILLS, INTERESTS, AND ACHIEVEMENTS

Coding Languages: Python (Pandas, Numpy, Scikit-learn), R (Tidyverse, ggplot), SQL
Interests: Sports Betting, Brawlstars (Top 100 in US), Tennis/Pickleball, Catan, Weight Lifting
Achievements: 11th US in IMC's Prosperity Challenge (Top 0.3%), UMTYMP Alumnus, Publication w/ Mayo Clinic