

Aidan Resnick

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EDUCATION

The University of Chicago

Master of Science in Financial Mathematics

Chicago, IL

Expected June 2025

- Concentrations: Machine Learning & AI, QuantDev
- Courses: Computing for Finance in Python, Option Pricing, Quantitative Trading Strategy, Machine Learning for Finance

Bachelor of Science in Statistics, Bachelor of Arts in Economics, Specialization in Data Science

Expected June 2025

- GPA: 3.736/4.000, Dean's List: 2021-2022
- Courses: Machine Learning, Statistical Theory and Methods, Introduction to Mathematical Probability, Econometrics

SKILLS

Computing: Proficient in Python, R, SQL, Stata, LaTeX, Microsoft Excel

Knowledge: Sports Analytics, Machine Learning, Financial Markets, Statistical Modeling, Data Analysis, Econometrics

EXPERIENCE

DL Trading

Chicago, IL

Quantitative Sports Trading Intern

June 2024 - August 2024

- Refined algorithmic sports trading models used to make markets on Sporttrade and Betfair by rigorously estimating outcome probabilities and evaluating market behavior with statistical models and domain-specific manual adjustments
- Modeled MLB game-level probabilities to help construct in-game markets

Ra Yoga

Costa Mesa, CA (Remote)

Data Science Consultant

March 2024 - June 2024

- Evaluated yoga instructors by developing a standardized attendance metric using regression and feature selection methods

Wareham Gatemen

Wareham, MA

Player Development Apprentice

June 2023 - August 2023

- Modeled TrackMan data to develop MLB draft prospects and to advise in-game strategies and scouting analysis

SEQNZR

Bend, OR (Remote)

Data Scientist (BetSEQNZR)

April 2023 - August 2023

- Constructed backtested baseball projections and translations to price MLB bets with regression and Monte Carlo simulation

Data Science Consultant

July 2022 - August 2022

- Utilized SEQNZR's Monte Carlo baseball game simulation to find the probability and expected leverage of a second plate appearance for pinch hitters in a presentation to the Tampa Bay Rays, recommending pinch-hitting aggression

Palm Springs Power and Power Summer Collegiate League

Palm Springs, CA

Data Analytics and Statistician Intern

June 2022 - July 2022

- Collected and modeled FlightScope, pitchLogic, and Blast Motion data to develop college baseball players by quantitatively optimizing swing paths, pitch mixes, and pitch grips

RESEARCH

Diamond Dollars Case Competition

Phoenix, AZ (Remote)

Winner (Soto Room)

March 2021 - March 2021

- Collaborated with three peers to create a modernized Game Score metric—Opponent-League-Year-Adjusted Score (OLYAS)—with regression and feature selection methods, to isolate pitcher performance for player analysis and projection

The Stats Game: A Deep Dive into Sports Analytics in the Modern Era

Remote

Author

June 2020 - December 2020

- Co-authored a book (754 copies sold) for aspiring sports analysts, to promote the development and application of statistical inference and quantitative methods, such as regression, probability estimation, and standardization, in sports analytics
- Interviewed by the WKY AM Drive Sports Show, Overnight America, Sports Byline USA, and other talk shows

LEADERSHIP/ACTIVITIES

Derivatives Group Quant Trading

Chicago, IL

Associate and Incoming Vice President of Curriculum

October 2022 - Present

- Lead weekly lectures on quantitative finance topics, such as statistics, financial derivatives, and option pricing and Greeks

Violinist

New York, NY

Player, Ensemble Member, Teacher

January 2007 - Present

- Selected to New York All-State Orchestra and the University of Chicago Symphony Orchestra (first violinist)
- Won first place in Manhattan International Music Competition; performed at Carnegie Weill Recital Hall

Sports Analytics Group at the University of Chicago

Chicago, IL

President

October 2021 - May 2023

- Conducted lectures, completed projects, and hosted guest speakers for approximately 30 dedicated club members

ADDITIONAL INFORMATION

Interests: Poker, Chess, Baseball (varsity in high school), Fantasy Sports, Podcasting (*Mission Control*, *Astrolytics*)