

Benjamin Carter

Quantitative Trader

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SUMMARY

Quantitative trader with 4 years on options trading desks, the last 2 running a systematic quoting strategy in equity index options. Combines statistics, market microstructure research in Python and tight risk management to run a \$25M risk limit, with \$6.4M in net P&L in 2025. Works closely with developers and senior traders on every strategy change.

SKILLS

Python • C++ • Statistics • Probability • Market Microstructure • Market Making • Options Pricing
Risk Management • Financial Markets • Excel

EXPERIENCE

Quantitative Trader

07/2024 - Present

LaSalle Street Derivatives

Chicago, IL

Proprietary options market maker in equity index and futures options.

- Manage a systematic quoting strategy in index options with a **\$25M** risk limit and \$6.4M net P&L in 2025.
- Research fill-rate and adverse selection signals in Python on market microstructure data, tightening spreads 0.3 ticks.
- Monitor delta, vega and gamma limits in real time and adjust hedges across 3 products.
- Partner with 2 C++ developers on market making logic changes, testing each in a simulator before release.

Trading Analyst

07/2022 - 06/2024

Madison Street Options

Chicago, IL

Junior trading role on an equity options desk.

- Built Python tools that tracked P&L attribution by Greek for 400 option positions each day.
- Applied probability and statistics to 2 years of fills, finding 5 overnight risk patterns the desk now limits.
- Supported 3 senior traders at the open and close by entering hedges and checking positions in fast financial markets.
- Developed an options pricing check in Python that flagged 15 stale volatility marks a week.

Trading Intern

06/2021 - 08/2021

Wabash Avenue Capital

Chicago, IL

Summer internship on an index options desk before senior year.

- Built an Excel and Python tool that measured slippage on 2,000 hedge orders.
- Analyzed 6 months of quote data and presented spread findings to 4 traders.
- Created a daily Excel summary of index option volume across 4 exchanges for the morning meeting.

EDUCATION

Bachelor of Science

05/2022

University of Michigan

Ann Arbor, MI

Mathematics