TurboStrat

November 2, 2025

Internship Opportunity: Quantitative Research Intern

We are pleased to offer a short-term, educational internship program designed for motivated students seeking hands-on experience in quantitative research and algorithmic trading. The program is structured primarily for educational enrichment, resembling a university thesis or independent research project.

Participants will engage in guided research and computational work under the mentorship of experienced professionals. The program emphasizes analytical thinking, coding proficiency, and the application of mathematical and statistical models to real-world financial problems.

Program Overview

This internship introduces the foundational concepts and techniques used in modern quantitative finance and algorithmic trading. The goal is to provide students with early exposure to how mathematical and computational models are used to analyze data, design trading strategies, and manage risk.

By the end of the program, participants are expected to gain experience in areas such as:

- Develop a solid conceptual understanding of fundamental principles in quantitative finance and algorithmic trading.
- Explore classic quantitative trading strategies—including trend-following, mean-reversion, and arbitrage—by studying their theoretical foundations and practical implementations.
- Conduct backtesting using both Monte Carlo simulations and real historical market data to evaluate performance consistency and robustness across diverse market conditions.
- Gain exposure to portfolio optimization techniques and fundamental risk management principles.
- Design, build, and deploy algorithmic trading systems in a cloud environment, implementing paper trading to monitor live strategy behavior and assess execution performance.

Minimum Qualifications

- Current enrollment in a university program pursuing a bachelor's degree in mathematics, statistics, data science, computer science, economics, or a related discipline.
- Familiarity with Python or R for data analysis and modeling.

TurboStrat LLC
20830 Stevens Creek Blvd 1132, Cupertino, CA 95014
www.turbostrat.com (669) 210-3282

TurboStrat

- Successful completion of introductory-level coursework in statistics and probability.
- A minimum cumulative GPA of 2.8.

For more information about the program structure and project outlines, please contact us. Interested applicants should email `team@turbostrat.com` with their resume/CV and academic transcript (unofficial transcripts are acceptable).

TurboStrat LLC
20830 Stevens Creek Blvd 1132, Cupertino, CA 95014
www.turbostrat.com (669) 210-3282