

Ethan Lam

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EDUCATION

Georgia Institute of Technology <i>Bachelor of Science in Computer Engineering</i>	Atlanta, GA
	Aug 2025 - May 2028
<ul style="list-style-type: none">Thread: Cybersecurity/Signal and Information ProcessingRelevant Coursework: Linear Algebra, Data Struct & Algorithms, Computer Arch, Diff Eq, Malware Reverse EngAwards: Zell Miller Scholarship, Dean's List	

EXPERIENCE

Project Manager GTSF Investment Committee - Quant Sector Atlanta, GA	Aug 2025 - Present
<ul style="list-style-type: none">Developed a centralized portfolio controller to coordinate capital allocation, rebalancing, and risk constraintsOversaw backtesting and logging, and out-of-sample validation to ensure strategy correctness and reproducibility	
Team Member Trading at Tech Atlanta, GA	Aug 2025 - Present
<ul style="list-style-type: none">Engaged in quantitative finance research and development, learned techniques in trading strategies and analysisCollaborated with peers to explore applications of quantitative models in financial markets	

PROJECTS

CryptoGame Comparator Java, JavaFX, REST APIs, JSON (Gson)	
<ul style="list-style-type: none">Developed an interactive JavaFX application that compared 1000+ Steam game prices to 1000+ cryptocurrenciesIntegrated CheapShark and CoinLore APIs to fetch live game and cryptocurrency dataImplemented JSON parsing, filtering, and a responsive GUI to display coins relative to the selected game price	
Realized Volatility & SPY Return Prediction Python, Pandas, NumPy, Financial Modeling	
<ul style="list-style-type: none">Analyzed the predictive power of realized volatility on next-day SPY returns using volatility estimators (Close-to-Close, Parkinson, Garman-Klass, Rogers-Satchell)Built a linear factor model incorporating realized volatility, lagged returns, and volatility changesPerformed out-of-sample backtesting (2000-2024), improving risk-adjusted performance over Buy & Hold	

LEADERSHIP & ACTIVITIES

President Chess Buddies Atlanta, GA	Aug 2022 – May 2024
<ul style="list-style-type: none">Led an organization dedicated to teaching chess to 50+ underprivileged children across Metro AtlantaDirected and coordinated a 6 person volunteer team to host 65+ events each school yearMaintained partnerships with 2 afterschool school directors to expand reach and sustain relationships	
Varsity Captain Walton Math Team Marietta, GA	Aug 2020 – May 2024
<ul style="list-style-type: none">Led varsity math team in regional and state tournaments, teaching 100+ members probability and statisticsManaged 80+ weekly team meetings and organized tournaments with sponsors	
Secretary DECA Marietta, GA	Aug 2020 – May 2024
<ul style="list-style-type: none">Researched and presented critical information about stocks and financial markets to 60+ membersExpanded club membership 228% and taught finance education through events and meetings	

AWARDS

2x Qualifier AIME Achieved Top 3 finishes in regional Science Olympiad events: Robot Tour, WiFi Lab, and Scrambler
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SKILLS

Programming Languages & Tools: Java, C, Python, Assembly, JSON, REST APIs, HTML, CSS, LaTeX, Linux, IDA Pro, Financial Modeling, Pandas, NumPy
Interest: Golf, Basketball, Pickleball, Music, Poker