

# Ethan Lam

Atlanta, GA | (404) 510-9889 | US Citizen | elam38@gatech.edu | linkedin.com/in/ethanlam7 | ethan-lam.com

## EDUCATION

### Georgia Institute of Technology

*Bachelor of Science in Computer Engineering*

Atlanta, GA

Aug 2025 - May 2028

- Thread: Cybersecurity/Signal and Information Processing
- Relevant Coursework: Linear Algebra, Data Struct & Algorithms, Computer Arch, Diff Eq, Malware Reverse Eng
- Awards: Zell Miller Scholarship, Dean's List

## EXPERIENCE

### Project Manager | GTSF Investment Committee - Quant Sector Atlanta, GA

Aug 2025 - Present

- Developed a centralized portfolio controller to coordinate captial allocation, rebalancing, and risk constraints
- Oversaw backtesting and logging, and out of sample validation to ensure strategy correctness and reproducibility

### Team Member | Trading at Tech Atlanta, GA

Aug 2025 - Present

- Engaged in quantitative finance research and development, learned techniques in trading strategies and analysis
- Collaborated with peers to explore applications of quantitative models in financial markets

## PROJECTS

### CryptoGame Comparator | Java, JavaFX, REST APIs, JSON (Gson)

- Developed an interactive JavaFX application that compared 1000+ Steam game prices to 1000+ cryptocurrencies
- Integrated CheapShark and CoinLore APIs to fetch live game and cryptocurrency data
- Implemented 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

- 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 changes
- Performed out-of-sample backtesting (2000-2024), improving risk-adjusted performance over Buy & Hold

## LEADERSHIP & ACTIVITIES

### President | Chess Buddies Atlanta, GA

Aug 2022 – May 2024

- Led an organization dedicated to teaching chess to 50+ underprivileged children across Metro Atlanta
- Directed and coordinated a 6 person volunteer team to host 65+ events each school year
- Maintained partnerships with 2 afterschool school directors to expand reach and sustain relationships

### Varsity Captain | Walton Math Team Marietta, GA

Aug 2020 – May 2024

- Led varsity math team in regional and state tournaments, teaching 100+ members probability and statistics
- Managed 80+ weekly team meetings and organized tournaments with sponsors

### Secretary | DECA Marietta, GA

Aug 2020 – May 2024

- Researched and presented critical information about stocks and financial markets to 60+ members
- Expanded 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

## 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