

# Matthew Wills

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## EDUCATION

### University of Chicago

*Bachelor of Science in Mathematics, Bachelor of Science in Computer Science*

Chicago, IL  
Expected June 2025

- **GPA:** 3.8/4.0
- **Relevant Coursework:** Quantitative Portfolio Management and Algorithmic Trading, Real Analysis I-II-III, Principles of Macroeconomics, Systems and Programming I-II, Algorithms
- **Honors:** Dean's List, Midwest Conference Academic All-Conference 2022-23-24

### Gilman High School

*Diploma*

Baltimore, MD  
June 2021

- **GPA:** 96.97/100
- **Honors:** Honor Roll (2017-2021), Faculty Award (2021), Cum Laude (2021)

## EXPERIENCE

### WH Trading

*Trading Intern*

Chicago, IL  
June 2024 – August 2024

- Collaborated with options traders, primarily on the corn desk, to support market-making, managing positions, executing trades, and developing strategies for emerging products
- Gained hands-on experience with futures trading using systematic trades and machine learning to optimization strategies
- Built visualization tools using Python and SQL data which resulted in profitable 6-10 trades per day in new markets
- Coded a tool using real-time market data to track open interest of large-scale trades, enhancing market transparency
- Partnered with a peer to track volatility changes by automating options data collection, calculating implied volatility, historical volatility, the Greeks, and skew across products

### Tufts Capital Management

*Senior Encounter Intern*

Cockeysville, MD  
May 2021

- Analyzed news articles and used FactSet to develop reports on significant changes in stock prices for 10-15 Fortune 500 companies to identify market opportunities
- Researched and delivered slides on smaller companies to familiarize colleagues with new markets

### Forest Hill Swim and Tennis Club

*Lifeguard*

Ellicott City, MD  
May 2018 – August 2023

- Enforced rules by communicating with patrons to keep the pool safe
- Responded to emergencies; successfully performed a rescue in deep water

## LEADERSHIP & ACTIVITIES

### Derivatives Group Quant Trading, University of Chicago

*Team Member*

Chicago, IL  
September 2022 – June 2023

- Participated in a curriculum which included probability, options theory, and pricing models
- Contributing member of Financial Industry Cohort which explored the quantitative finance industry

### Varsity Baseball, University of Chicago

*Team Member*

Chicago, IL  
September 2021 – Present Year

- Planned and lead small group workouts outside of practice with ten teammates
- Managed 30+ hour weekly commitment with a full class load

## SKILLS and INTERESTS

**Technical:** Python, SQL, C, Java, PHP, JavaScript, GitHub, Linux, Microsoft Office, and VS Code

**Interests:** Weightlifting, *Star Wars: The Clone Wars*, *Pardon My Take* podcast, Baltimore Orioles and Ravens