

**Joshua Zhuang**  
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## EDUCATION

### Northwestern University

*B.A. in Mathematics, M.S. in Computer Science*

Cumulative GPA: 3.77/4.0

Coursework: Real Analysis, Abstract Algebra, Probability, Graph Theory, Regression Analysis, Statistical Theory and Methods

**Anticipated June 2025**

Evanston, IL

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## EXPERIENCE

### IMC Trading

*Quant Trader Intern*

**Jun 2024 - Aug 2024**

Chicago, IL

- Completed comprehensive options theory education and participated in various market making simulations
- Conducted trade analysis, evaluating and proposing improvements to current automated strategies across multiple markets
- Developed and implemented strategies for a trading bot as part of an intern trading competition
- Contributed to the equity options market making desk by designing a trading strategy based on modeling a relationship between implied and realized volatility

### Cutler Group

*Trading Intern*

**Jul 2023 - Aug 2023**

San Francisco, CA

- Gained in-depth knowledge of options theory through daily lectures and assignments
- Engaged in mock trading simulations and other market making exercises
- Shadowed multiple traders to learning risk management techniques and trading strategies
- Developed an automated ETF rollover schedule tracker, enhancing traders' visibility into market events

### Akuna Capital

*Options 201 Course Participant*

**Aug 2023**

Chicago, IL

- Selected to participate in Akuna's options theory and market making course

### Securities Quote Xchange

*Data Intern*

**Jun 2022 - Aug 2022**

Aurora, IL

- Conducted extensive data analysis on millions of bonds over multi-week periods to investigate and identify price outliers
- Validated noticeable trends to assess the overall accuracy of the current pricing model
- Enhanced the bond pricing model by eliminating erroneous data and identifying flaws in existing models

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## CERTIFICATIONS & EXTRACURRICULARS

**Certifications:** *FINRA* – Securities Industry Essentials Exam (SIE)

**Languages:** Mandarin Chinese (proficient), English (native)

**Activities:** Northwestern Club Volleyball, Northwestern FinTech, Study Abroad at University of Edinburgh & Yonsei University