

# Cooper Yan

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## EDUCATION

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### Washington University in St. Louis

*B.S. in Computer Science & Mathematics and Double Major in Financial Engineering*

St. Louis, MO

Expected May 2026

- **GPA:** 4.0 / 4.0; **Honors:** Dean's List

## WORK EXPERIENCE

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### Sumitomo Mitsui Banking Corporation

*Systematic Trading Strategy Intern*

New York, NY

Jun 2024 – Aug 2024

- Utilized Java to assist with the building of an internal trading system focused on swaps and US treasury securities; combined existing servers to prioritize internal transactions in the queue and improved hedging
- Utilized Python and CPP to build pipelines of trading data from kdb+ and conducted backtests to evaluate performance of trading strategies; expanded libraries of swap auto-hedging

### NilssonHedge

*Hedge Fund Database Intern*

New York, NY

Aug 2023 – May 2024

- Screened and organized a list of ETFs using Python & R and created a database that structured various data points including the ETFs' holdings, performance metrics, geographic coverage and management fee info
- Utilized the database to evaluate the performance of various ETFs and determined correlations with their holdings; conducted various analyses on the data and summarized findings in a report for the management team

### WashU Mathematics Department

*Teaching Assistant*

St. Louis, MO

Jan 2023 – Present

- Held regularly occurring office hours focused on addressing student queries from the Discrete Math and Data Science course; provided timely and constructive feedback on students' assignments, projects and exams
- Acted as a liaison between students and the instructors by collecting student feedback and utilizing information to make course improvement suggestions; improvements led to a 13% increase in course satisfaction surveys

### Gloria Avenue Partners

*Private Equity Intern*

Los Angeles, CA

Nov 2023 – Jan 2024

- Screened and built lists of prospective target acquisitions in the California region in the energy and industrial verticals; reviewed teasers and CIMs, drafted screening and intro memos to support the diligence process
- Reviewed various market events in industries of interest including capital raises, mergers & acquisitions and other company news releases; summarized in a weekly summary which was distributed to the partner

## LEADERSHIP EXPERIENCE

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### American Baseball Research Competition

*Competitor (1<sup>st</sup> Globally of 50 Teams)*

Phoenix, AZ

Mar 2023 – Mar 2023

- Worked in a team to prepare an analysis and presentation of a baseball operations decision focused on measuring the impact of incorrect ball-strike calls and analyzing the impact of these games in the 2022 MLB season
- Presented analysis and recommendation to a panel of judges which included MLB front office executives

### WashU Sports Analytics Club

*Vice President*

St. Louis, MO

Jan 2023 – Present

- Helped organize and participated in various speaker series and technical skills workshops set up by senior members of the club and industry professionals; focused on analytics, technical skills and industry overviews

### Bear Nation Varsity Band

*Snare & Bass Drum Player*

St. Louis, MO

Sep 2022 – Present

- Attended and helped organize weekly band practice; collaborated with the coaches and team to compose and play a diverse set of performances including in numerous official Washington University pep rally events

## SKILLS, ACTIVITIES & INTERESTS

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**Languages:** Fluent in English and Mandarin and conversational in French

**Technical Skills:** Microsoft Suite, R, Java, Python, and MATLAB

**Activities:** International Space Settlement Design Competition (1<sup>st</sup> Place), Berkeley Math Summer Program(Top 5%), Varsity Ultimate Frisbee, The Ross Program