

ANTONG (CHARLOTTE) LIU

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EDUCATION

- Expected 12/26 **NEW YORK UNIVERSITY** New York, NY
The Courant Institute of Mathematical Sciences
M.S. in Mathematics in Finance
- **Expected Coursework:** object-oriented programming (Java), penalized regression, decision trees, linear regression, Fama-French, Black-Scholes, stochastic processes, Hull-White model
- 09/21 - 06/25 **TSINGHUA UNIVERSITY** Beijing, China
B.S. in Mechanics and B.Eng. in Civil Engineering System
- **Coursework:** advanced linear algebra, ordinary differential equations, mathematical analysis, probability and stochastic process, time series, corporate finance, investment, econometrics
 - **Thesis:** “Higher-Order Interactions in Synthetic Technology” (with MIT professor)
 - **Honors:** Academic Excellence and Social Work Scholarships, summa cum laude (top 5%)

EXPERIENCE

- 03/25 - 08/25 **GUOTAI HAITONG SECURITIES** Beijing, China
Investment Banking Intern
- Prepared regulatory filings and coordinated responses to Securities Regulatory Commission
 - Conducted due diligence and drafted business, legal, and financial valuation papers for M&As
 - Supported communication and coordination with clients and financial/legal advisors throughout transaction processes and contributed to pitchbooks, prospectuses, and internal reports
- 07/24 - 12/24 **J.P. MORGAN** Beijing, China
Finance & Business Management Intern
- Updated financial reports based on global and Chinese business data such as payments, trade finance, market transactions, and tracked key indicators such as CIR, CAR, ROE
 - Conducted competitor analysis on asset allocation, profitability, and risk management; identified regional cost optimization opportunities; and orchestrated 2025 strategic roadmap
- 03/24 - 05/24 **MAXENTROPY QUANT** Beijing, China
Quantitative Trader Intern (Python)
- Analyzed logic of WorldQuant101 factors to design and implement trend, momentum, and reversal correlation factors; evaluated backtesting results; and deployed daily trading
 - Reproduced cutting-edge high-frequency quantitative futures trading strategy; optimized and iterated existing strategy algorithm
- 09/23 - 01/24 **CITIC SECURITIES** Beijing, China
Research Intern
- Evaluated performance of new energy vehicle companies using financial and industry analysis
 - Developed databases and authored independent, in-depth industry research reports

PROJECTS

- 08/23 - 01/24 **GLOBAL ALLIANCE OF UNIVERSITIES ON CLIMATE** Vancouver, Canada
Climate x Leadership Training Program (Tableau)
- Expanded knowledge of global governance through in-depth conversations with industry experts
 - Organized multiple climate-focused seminars; drove dialogues engaging hundreds of participants
- 07/23 - 08/23 **CHINA-ITALY DESIGN INNOVATION HUB** Milan, Italy
Interdisciplinary Design Innovation Scholar
- Conducted field research on museum guide systems and urban spaces in Milan and Florence
 - Collaborated with government to develop renovation proposal for Italian-style area

COMPUTATIONAL SKILLS / OTHER

Programming Languages: Python (Pandas, Matplotlib, Numpy, Scipy), MATLAB, SQL, R, C++

Languages: English (fluent), Mandarin (native)

Certifications: National 2nd Prize in Business Translation and Writing, AIDA 2 Star Freediver