

Shiying (Catherine) Zhang

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EDUCATION

Princeton University , Princeton, NJ <i>Candidate for Master of Finance</i>	Expected Jun 2027
Tsinghua University , Beijing, China <i>Bachelor of Engineering (Computer Science and Technology) + Bachelor of Economics (Economics and Finance)</i> GPA: 3.93/4.00, Rank: 1/28	Jun 2025
<ul style="list-style-type: none">Honors: Graduate with Honors (Top 2%), National Scholarship (awarded by Ministry of Education), Overall Excellence Scholarship (achieved twice, awarded by Tsinghua)Courses: Achieve A/A- in all mathematic courses. Advanced Econometrics (A+), Data Structure and Algorithm, Artificial Intelligence, Financial Big Data and Quantitative Analysis, Corporate Finance (A+), Investment Theory, Software Engineering, Computer Organization, Machine Learning in Quantitative Finance, Operation System	
University of Oxford , Oxford, UK <i>Yinghua Scholar (Exchange program), Economics and Computer Science, Distinction (1st class)</i>	Oct 2023 – Jun 2024

INTERNSHIP

JPMorgan Chase <i>(Incoming) Summer Intern, Markets</i>	Hong Kong S.A.R Expected Jun-Aug 2025
Chow Tai Fook Enterprises <i>Summer Intern, Quantitative Researcher, Family Office hedge fund departement</i>	Beijing, China Feb-May 2025
<ul style="list-style-type: none">Fine-tuned a BERT-based news classifier; extracted alternative factor via LLM; utilized DolphinDB. Achieved robust performance (annualized excess return 19~27%, maximum drawdown -8~-3%, information ratio 2.4~3.6).Utilized LLMs to build a news-analysis app that extracts event data from text and infers logical links between news events and stock-price movements; solution has entered the commercial deployment pipeline.	
Goldman Sachs <i>Summer Intern, Global Investment Research (GIR)</i>	Hong Kong S.A.R Jun-Aug 2024
<ul style="list-style-type: none">Tracked companies across consumer sector (incl. jewelry, beauty and sportswear); led first-coverage initiation of Laopu Gold (06181.HK); conducted in-depth market dynamic analysis and co-authored sector reports.Independent projects: research on China's rising middle-class consumption; research on future outlook of yoga industry; research on global expansion of domestic retail brands; insights were highly praised and frequently featured in internal weekly briefings.	
Springs Capital <i>Summer Intern, Fundamental Investment Research</i>	Beijing, China Aug-Sep 2023
<ul style="list-style-type: none">Reviewed JCET (600584.SH) quarterly financial reports and stock data since 2016; analyzed historical trends in the semiconductor packaging and testing industry, incl. capacity expansion and volume-price dynamics.	
X-Asset Management <i>Summer Intern, Quantitative Researcher</i>	Shanghai, China Jul-Aug 2023
<ul style="list-style-type: none">Researched on daily frequency factor portfolio strategies: normalization, rolling regression, factor clustering; developed a backtesting and stability analysis system for daily frequency factors.	

RESEARCH & COMPETITION

Team Leader Optiver Ready Trader Go Competition	Mar 2023
<ul style="list-style-type: none">Implemented quantitative trading strategies based on C++ & Python, ranked Top 12.5% of all 3,500+ teams	
Research Assistant Tsinghua University , Beijing, China	Feb-Aug 2022
<ul style="list-style-type: none">Quantitative factor research and pricing analysis based on Chinese stock market implementing BARRA model	

SKILLS

Language:	Mandarin (native), English (proficient, TOEFL: 110 (29/29/26/26), GRE: 161+170+4)
Computer:	C++, Python, Java, JavaScript, Stata, Linux, PyTorch, git, Markdown, Android app dev, five-stage pipeline RISC-V CPU dev (System Verilog), software dev (Django/React/Streamlit), OS Ucore dev
Interests:	Poker (participated in UK poker competition representing Oxford), debate (Best Debater at Tsinghua), cricket (5th place in Beijing Universities Competition), squash, piano (ABRSM 8th)
Leadership:	SEM Student Union Department Manager, CST Science and Technology Association Member, class monitor, CST Debate Team leader, member of Tsinghua Debate Team, member of SEM Finance club