MARY WU

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EDUCATION

Northwestern University, The Graduate School, Evanston, IL — Expected 2026
Master of Science in Statistics & Data Science
Relevant courses: Advanced Regression, Introduction to Machine Learning (PhD level), Introduction to Generative AI

New York University, College of Arts & Science, New York, NY — May 2024
Bachelor of Arts in Economics & Mathematics, minor in Music | Dean's List
Relevant courses: Calculus III, Linear Algebra, Analysis, Introduction to Econometrics, Advanced Micro Theory

EXPERIENCE

Research Assistant, **Northwestern University Department of Statistics**, Evanston, IL — Jan 2025 – Present
- Develop Bayesian methods to reconstruct historical sunspot numbers and analyze time-series data in Python/R
- Actively report on research progress in biweekly meetings with supervisor to collaboratively refine research direction and identify next steps

Research Assistant, **National University of Singapore Business School**, Singapore — May 2024 – Present
- Use SQL to extract and integrate financial data from BvD ORBIS, merging firm identifiers to construct comprehensive datasets for analysis
- Apply cutting-edge econometric and NLP methods to evaluate the impact of technological advancements on firms' foreign direct investment and identify underlying mechanisms using economic and international business theory

Asset Custody Intern, **China International Capital Corporation**, Beijing, China — Jun 2023 – Aug 2023
- Optimized financial reporting templates for 20+ private equity funds, improving processing efficiency significantly
- Drove operational success by analyzing fund performance in Excel and collaborating cross-functionally to support daily operations for 20+ multimillion-dollar funds

Marketing Intern, **About Time Coffee**, New York, NY — Jun 2022 – Aug 2022
- Drove ~10% monthly follower growth through negotiating influencer collaborations and writing Instagram content
- Developed social media management strategies with the CEO, boosting brand visibility and foot traffic

PROJECTS

2024 US General Elections Prediction — Nov 2024
- Developed Bayesian simulation models to analyze and visualize large-scale polling data in Python
- Outperformed mainstream forecasts by correctly predicting the 2024 presidential election outcome

SKILLS

Technical: Python (NumPy, pandas, SciPy, Matplotlib, Scikit-learn, PyTorch), SQL, R, Excel, GitHub
Language: Fluent in Mandarin Chinese, basic knowledge of Spanish and Korean

HONORS & AWARDS

National Merit Scholarship Finalist — 2020
UKMT Intermediate Mathematical Olympiad and Kangaroo, *Certificate of Distinction* — 2017

LEADERSHIP AND SOCIAL ENGAGEMENT

Class Moderator, **Kellogg School of Management**, Evanston, IL — Apr 2025 – Present
- Maintain a high-quality classroom experience for MBA students by making real-time decisions to resolve technical issues, address questions, and drive engagement
- Foster strong relationships with students and faculty, tailoring support strategies to promote individual success

Senior Dance Instructor, **KNESIS NYU**, New York, NY — Jan 2022 – May 2024
- Supervised recruitment efforts, collaborating with board members to organize social events attended by 200+
- Led and instructed dance classes of 50+ in attendance, with performances reaching over 80,000 views on YouTube