

YUTONG (MARK) WU

(929) 844-7191 // markwu@nyu.edu // [linkedin.com/in/yutongwu02/](https://www.linkedin.com/in/yutongwu02/)

EDUCATION

- Expected 12/25 **NEW YORK UNIVERSITY** New York, NY
The Courant Institute of Mathematical Sciences
M.S. in Mathematics in Finance
- **Expected Coursework:** stochastic calculus, risk and portfolio management, derivative hedging, Hull-White model
- 08/20 - 05/24 **CARNEGIE MELLON UNIVERSITY** Pittsburgh, PA
B.S. in Economics and Statistics & B.A. in Chemistry
- **Coursework:** Monte Carlo simulation, ODE, PDE, derivative securities, statistical inference, time series analysis, bootstrap, instrumental variables, directed acyclic graph

EXPERIENCE

- 05/24 - 08/24 **SDIC SECURITIES CO., LTD.** Beijing, China
Investment Management Intern (R)
- Managed 3 firm's social media accounts, monitored view statistics of posts and articles on platforms, and used data analytics to filter potential new customers with R
 - Drafted 5 industry reviews and stock recommendations by comparing and reviewing 20 companies' stock performance based on 3-year financial statements and research reports
- 05/23 - 08/23 **CHINA LIFE INVESTMENT MANAGEMENT CO., LTD.** Beijing, China
Investment Management Intern (Excel)
- Cleaned clients' financial statements to analyze their operations and credits
 - Researched clients' industries and local economic performance to assess prospects for lending capital for clients' financial and construction projects
 - Predicted clients' and projects' cash flows to evaluate likelihood of default on loans
 - Customized products like asset-backed securities for clients to exchange receivables and cash

PROJECTS

- 03/23 - 12/23 **CARNEGIE MELLON UNIVERSITY** Pittsburgh, PA
Analysis of Nike Stock's Potential Arbitrage Opportunities (Excel)
- Compared Nike's and competitors' financial data and stock price performance (i.e., P/B and P/E)
 - Projected Nike's cash flows, traced its equity risk premium, and discounted its market value
 - Evaluated its stock and option prices, as well as PnL of arbitrage strategies
- 09/22 - 12/22 **China Real Estate Market Research (Excel)**
- Reviewed market performance and policies over prior 4 decades, and plotted how number of construction workers, amount of capital, productivity, and output of real estate market changed
 - Analyzed highly leveraged real estate companies that improperly compensated hourly construction workers; correlated that with companies' higher risk for loan default
- 06/22 - 12/22 **Quantitative Analysis Between Educational Background and Career Success (R)**
- Cleaned interdisciplinary academic background data of startups' founders; regressed relationship between funds raised and founders' academic backgrounds
 - Predicted each year's early- and mid-career salaries for >100 universities' undergraduate students based on multiple factors (e.g., diversity of student body, percentage of STEM degrees granted)

COMPUTATIONAL SKILLS / OTHER

Programming Languages: R (Proficient), Python (Intermediate), SQL (Intermediate)

Languages: English (fluent), Mandarin (native)

Activities: Vice President of CMU Summit on U.S.-China Innovation and Entrepreneurship; Research Assistant at CMU to explore how to decompose antibiotics with iron catalysts