

# JINMING (JIM) ZHANG

(608) 692-6164 // [jinming-jim-zhang@nyu.edu](mailto:jinming-jim-zhang@nyu.edu) // [linkedin.com/in/jinming-jim-zhang/](https://www.linkedin.com/in/jinming-jim-zhang/)

## EDUCATION

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- Expected 12/23 **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
- 09/19 - 05/22 **UNIVERSITY OF WISCONSIN-MADISON** Madison, WI  
**B.A. in Mathematics and B.A. in Economics**
- **Coursework:** stochastic processes, probability, linear algebra, ordinary differential equations, game theory, Bayesian statistics, law of large numbers, econometrics
  - **Honors/Awards:** Dean's list (top 2%)
- 09/17 - 06/19 **SHANDONG UNIVERSITY** Ji'nan, China  
**B.S. in Human Resource Management**
- **Coursework:** calculus, accounting, time series analysis, statistics, economics

## EXPERIENCE

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- 07/21 - 09/21 **SHENWAN HONGYUAN SECURITIES** Beijing, China  
**Investment Banking Intern**
- Evaluated property trust and its financial solvency, analyzed risks, and created investment scheme including risk management suggestions
  - Collaborated with teammates in performing due diligence as well as drafting prospectus and investment reports
  - Analyzed financial statements released by top 30 sports teams worldwide; evaluated pandemic's impact on them
  - Co-wrote research report on multiple aspects of ice-snow sports industry in China (e.g., clothing, gear) over prior 10 years
- 04/21 - 07/21 **MORGAN STANLEY** Shanghai, China  
**Quantitative Analyst Intern**
- Developed Python programs based on FIX protocol to receive and store order information
  - Used high-frequency algorithm to classify, time, and quantify orders; accelerated processing by 45%; retrieved and enriched FIX messages according to different trading strategies
  - Optimized VWAP and TWAP algorithms; simplified codes and sped up processing by 20%

## PROJECTS

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- 01/21 - 05/21 **UNIVERSITY OF WISCONSIN-MADISON** Madison, WI  
**Tracking Worldwide COVID-19 Vaccination (Python)**
- Programmed database crawler that extracted information from 50 countries (e.g., HDI, GDP, and number of new vaccinations)
  - Analyzed collected data to define duration of pandemic's phases in each country
  - Predicted COVID-19 vaccination development in those countries
- 09/20 - 12/20 **Loose Monetary Policy in New Framework**
- Analyzed how Taylor's rule fit new objectives that Federal Reserve Board stated in 2020
  - Used IS-LM model to assess effectiveness of new conventional monetary policies during economic shocks
  - Applied Expectations Hypothesis of Term Structure model and Phillips Curve to assess impact of unconventional monetary policies (e.g., credit easing) on market since 2018

## COMPUTATIONAL SKILLS / OTHER

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**Programming Languages:** Python, Java, Stata

**Languages:** English (fluent); Korean (native); Mandarin (native)