

# ENYANG (TONY) YU

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## EDUCATION

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- Expected 12/26 **NEW YORK UNIVERSITY** New York, NY  
**The Courant Institute of Mathematical Sciences**  
**M.S. in Mathematics in Finance**
  - **Coursework:** financial computing, portfolio management, derivatives pricing, stochastic calculus
- 09/20 - 05/24 **NEW YORK UNIVERSITY** New York, NY  
**B.A. in Economics and Mathematics**
  - **Coursework:** calculus, linear algebra, optimization, differential equations, real analysis, game theory, econometrics, probability, statistics, financial mathematics

## EXPERIENCE

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- 07/24 - 07/25 **LANDAIR PROPERTY ADVISORS** New York, NY  
**Senior Investment Sales Associate**
  - Valued commercial properties based on capitalization rates, comparables, and pro-forma analyses
  - Generated more than \$20 million in exclusive listings through cold-calling and targeted research
  - Closed about \$6 million worth of real estate transactions with buyer and seller representation
  - Improved workflow efficiency by 10% and suggested improvements in technology systems
  - Constructed robust client book of more than 20 developers, investors, and attorneys
- 06/23 - 08/23 **CHINA MERCHANTS SECURITIES CO. LTD.** Shenzhen, China  
**Quantitative Analyst Intern (Python, SQL)**
  - Exported financial data from Wind Financial Terminal to Excel and analyzed using VBA
  - Organized and cleaned financial data in Python using SQL queries and Pandas
  - Compiled clean, filtered, and ready-to-use data for more than 3,000 Chinese Class A stocks
  - Experimented with effectiveness of financial factors using monotonicity testing, rank information coefficient, and Monte-Carlo simulations

## PROJECTS

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- 03/24 - 05/24 **NEW YORK UNIVERSITY** New York, NY  
**Mathematics of Finance: Derivative Analysis and Simulation (Python)**
  - Implemented deterministic finite difference and stochastic discretization schemes to approximate price and Greek paths of options in Python
  - Conducted thorough analysis of effectiveness and accuracy of each method and discretization step by using Black-Scholes model as analytical baseline
  - Simulated exotic option spread using Monte-Carlo simulations and Black-Scholes PDE
  - Analyzed distribution of dynamically hedged portfolio over multiple time intervals
- 04/24 **Data Science Club x CBRE Datathon (Python)**
  - Collaborated with other students on machine learning construction prediction model with 48-hour timeline
  - Sourced satellite imagery of more than 200 plots of construction in various stages of development and processed data using PyTorch dataloaders and transforms
  - Fine-tuned hyperparameters and additional layers on pretrained ResNet and VGG16 models to approximate estimated time of completion, achieving approximately 70% accuracy

## COMPUTATIONAL SKILLS / OTHER

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**Programming Languages:** Python, SQL, VBA

**Languages:** English (native), Mandarin (fluent)