, ,
ly229 at georgetown.edu & (215) 688-6404

Lu Yu, Ph.D.

Interests

Generative AI & Agentic Systems for Enterprise Financial Platforms

Education

Ph.D., Georgetown University, Economics, (**Honor: 3.8/4.0**), 2019 ~ 2026
Thesis: How Index Fund Impacts Econometrics? (Mentors:Prof. Toshihiko & Prof. James Angel)
B.S., University of Pittsburgh, Mathmatics & Economics (**Honor, 4.0/4.0**) 2015 ~ 2018

Skills

Certificate: Nvidia Deep Learning, Investment Banking by J.P. Morgan,

Program, Software Skills and Database:

- Tech: Codex CLI, DeepAgents(LangGraph), Claude, Pytorch, R, STATA, SQL, AWS(EC2, S3), LaTeX
- Data: Excel, MATLAB and Tableau, Market trends analysis, & Macroeconomic impact studies
- Modeling: Econometric Models, Risk Analysis, Financial Forecast and Portfolio Management

---

Work Experiences

Morgan Stanley Associate, Risk Management Division — Baltimore, MD, Aug 2025 ~ Present

- Develop AI-AGENT workflow for Risk Management. (Co-Pilot & CODEX CLI)
- Completed 25+ risk modeling reports since joining (**Tier-2: 5**; Tier-3/4: 20+).
- Ranked as a top performer, selected for **Super Tier 1** projects.
- Demonstrated strong execution across multi-national, cross-regional teams, delivering time-critical risk modeling reports under tight deadlines

Georgetown University, Ph.D — Washington, DC 2020 ~ 2026

- **Instructor: Department of Finance**
  OpenFinTech: An open source project to build customized DeepAgent AI Workflow
  Design an AI Assistant for FINRA CRCP Grading (deepagent powered)
  Conducted literature reviews and prepare talking points for research projects.
  Managed and maintained an accurate database, ensuring data integrity and accessibility.
  Performed quantitative data analysis, applying statistical methods to draw actionable conclusions.
- **Research Assistant: McDonough School of Business**
  Deep Learning on financial data analysis. Modeling Currency Volatility by using RNN(LSTM).
  Focus on the key factors of exchange rate and its periodic behavior.
- **Teaching Assistant: Department of Economics**
  Supported courses: corporate finance, financial econometrics, valuation & risk management.
  Key topics: Regression analysis, capital structure, free cash flow valuation & derivatives markets.
  Trained students to examine, manipulate, and present data in Excel & JMP.

Publications & Patents & Presentations

- PhD Thesis: ESSAYS ON INDEX OWNERSHIP AND MARKET MICROSTRUCTURE **Lu Yu**, Thesis (2026)
- From Clerks to Agentic-AI: How will Technology Change Labor Market in Finance? **Lu Yu**, Xiang Li, arXiv (2026)