Hongshi Liu

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EDUCATION

UCLA ANDERSON SCHOOL OF MANAGEMENT — Los Angeles, CA
Master of Financial Engineering — Expected Dec 2027
- *Relevant Courses:* Stochastic Calculus, Financial Accounting, Investments (Portfolio Theory & Derivatives)

UNIVERSITY OF MARYLAND — College Park, MD
M.S. in Applied Economics — May 2026
- *Relevant Courses:* Econometric Modeling & Forecasting, Financial Economics, R Programming

WENZHOU-KEAN UNIVERSITY — Wenzhou, China
B.S. in Economics — June 2024
- *Relevant Courses:* Econometrics, Data Mining in Business, Business Analytics

SKILLS

- *Technical Skills:* Stata, R, Python, Excel, Microsoft Office, Mathematica, Matlab
- *Quantitative Methods:* Panel Data, IV, DiD, RDD, Matching, Time Series, Regression Analysis

EXPERIENCE

INDUSTRIAL AND COMMERCIAL BANK OF CHINA — Hunan, China
Personal Loan Department Intern — Jun 2022 – Aug 2022
- Analyzed 2020–2022 micro-level lending data and built regression models to quantify the sensitivity of personal loan demand to interest-rate changes.
- Evaluated how rate adjustments affected mortgage repayment willingness and repayment duration across borrower groups, identifying behavioral patterns relevant to lending decisions.
- Interpreted statistical results and summarized findings in a report that received commendation from the branch president.

PROJECTS

Does Uber Reduce Drunk Driving? — Staggered DiD Analysis — Jan – May 2026
- Constructed a 7,194-observation city-year panel combining NHTSA FARS DUI-fatality data, Census population data, and staggered Uber entry dates; defined DUI fatalities per 100,000 residents and treatment timing.
- Estimated two-way fixed-effects Difference-in-Differences models with city and year fixed effects, then assessed identification using an event study, placebo tests, sample-window robustness checks, and Goodman-Bacon decomposition.

ICT, Productivity, and U.S. Economic Growth — Python Panel Analysis — Sep – Dec 2023
- Built a panel dataset covering 51 U.S. states from 2015–2022 using Census and BEA data on ICT, income, and demographics.
- Estimated two-way fixed-effects models in Python and visualized results to evaluate the relationship between digitalization and real GDP growth.

Green Credit Policy and Environmental Pollution — Python Panel Analysis — Sep – Dec 2023
- Integrated provincial economic, financial, energy, and environmental data for China from 2000–2020 and constructed a Green Credit Index.
- Applied two-way fixed-effects regression in Python and performed multicollinearity and model-consistency checks to assess pollution-mitigation effects.

ADDITIONAL INFORMATION

- *Interests:* Music Production, Boxing, Tennis, 5–10 km Running, Mixed Martial Arts, Swimming, Cooking
- *Qualifications:* Chinese Musicians' Association Piano Certification Level 10; World Taekwondo Federation Black Belt