

Rebecca Jiaxiu Liu

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Education

National University of Singapore – PhD Finance

Aug 2026

President's Scholarship Recipient

Stanford Graduate School of Business – Predoctoral Research Fellow (non-degree)

Jul 2024 – Jul 2026, Stanford, CA

Courses: ECON 233 Advanced Macroeconomics I (PhD-level), MGTECON 610 Macroeconomics (PhD-level).

London School of Economics and Political Science – MSc Econometrics and Mathematical Economics

Aug 2023 – Jun 2024, United Kingdom

Merit (medical mitigating circumstances recorded; final grades reflect original raw scores).

Courses: Advanced Macroeconomics (MATLAB), Advanced Microeconomics, Econometric Analysis, Machine Learning & Data Mining (R), Reinforcement Learning (Python).

University of Oxford (Merton College) – BA Economics and Management

Sep 2020 – Jul 2023, United Kingdom

First Class with Honours, Ranked 2nd in cohort of 84.

Courses: Econometrics, Quantitative Economics, Mathematical Analysis, Macroeconomics, Microeconomics Analysis, Financial Analysis, Money & Banking.

Awards & Honours

2020-2023

Merton College Final Honours School Exams Award: First Class in Final Examinations.

Merton Exhibition Scholarship: First Class in Preliminary Examinations, consistently demonstrated high performance throughout the programme.

Merton Fowler Prize (5-time recipient): First Class results in termly examinations.

2018-2019

Raffles Diploma with Merit in Leadership & Academics, Singapore A-Level Excellence Award, Outstanding Academic Award for achieving 7 Distinctions in Singapore GCE A-Levels (H2 Mathematics, Economics, Physics, Chemistry; H3 Mathematics).

Nanyang Research Programme Gold Award, AIME Invitee, Australia Mathematics Competition Gold Award.

Research Experience

Predoectional Research Fellow for Professors Amit Seru and Vikrant Vig, Stanford Graduate School of Business

July 2024 – July 2026, Stanford, CA

- Processed and analyzed large-scale datasets in banking, corporate finance, and innovation using high-performance computing (Bank Call Reports, D&B establishment data, Revelio Labs, CRSP, Capital IQ, USPTO patents, Form 990 Tax reports, DIME, OptionMetrics, etc).
- Constructed bank balance sheet, lending, securitization data for Buchak et al. (2024).

Assisted Prof. Seru and Prof. Josh Lerner with the Financial Innovation Project:

- Designed and performed empirical analysis on the diffusion of technology with patent filing, citation, CapIQ M&A, patent inventor, and textual similarity datasets.
- Constructed Bank Call Reports – CapIQ linkage to integrate bank type categorization into assignee analysis.
- Extended the patent assignee industry classification and conducted empirical analysis for Lerner et al. (2024).

Assisted Prof. Seru with the Innovation Diffusion Project:

- Digitized and crosswalked eight decades of historical U.S. manufacturing census, integrated NHGIS population data.
- Estimated PPML gravity models for inventor flow, constructed county–county network dyads with geospatial shapefiles.

Assisted Prof. Seru with the University Board Political Ideology Project:

- Designed LLM algorithm for OCR to construct a novel university member dataset from 1980 to 2024.
- Performed data-matching and analysis with Revelio Labs and DIME dataset.

Assisted Prof. Vikrant Vig with the Financial Market Volatility and Political Elections Project:

- Performed DID event studies on the options dataset to link market volatility with political elections for Denes et al. (2017).

Assisted Prof. Vig with Aircraft Transactions Pricing Estimation:

- Performed LLM keyword search, accounting identities, and econometric modelling to back out aircraft model-year level transaction price from 10K filings for Franks et al. (2022).

Research Assistant for Professor Nathan Lane, University of Oxford

Jul 2022 – Jan 2023, United Kingdom

Assisted Prof. Lane and Prof. Réka Juhász with the Industrial Policy of East Asian Economies Project:

- Cleaned & cross-walked 10-year newly digitised UN trade flow data with Stata for regression & policy studies.
- Condensed industrial policies across three decades from academic literature and government archives of Singapore for Juhász et. al (2024).

- Trained machine learning algorithms for textual analysis to identify industrial policies for Juhász et. al (2025).
- Transformed qualitative industrial policy documents into structured machine learning training data by assigning 3-digit ISIC sectors, identifying policy goals, and labelling instruments (subsidies, tariffs, R&D support, etc.).

Research Assistant for Professor Dariusz Wojcik, University of Oxford

Jun 2021, United Kingdom

- Analysed post-Brexit statistical trends on stocks, derivatives, IPOs, security clearings using NYSE, EuroNext, and LSEG databanks.
- Acknowledged contributor to *Atlas of Finance: Mapping the Global Story of Money* (Yale University Press, 2024).

Research Student under Professor Sridhar Idapalapati, School of Mechanical & Aerospace Engineering, Nanyang Technological University

Apr 2017 – Mar 2018, Singapore

- Received Gold Award for research presentation and report at the Nanyang Research Programme Seminar.
- Designed 3D Kagome lattice structures and conducted stress-testing experiments; applied statistical modeling and graphical data analysis to infer mechanical properties from experimental data.

Work Experience

Equity Research Associate Intern, AllianceBernstein Hong Kong Limited

Jul 2023 – Aug 2023, Hong Kong

- Worked on China Emerging Semiconductor industry team's initiation project, covered China Server CPU market.
- Conducted market-sizing and value chain analysis, generated differentiated estimates on product segmentation using Excel with databases including Mercury, Gartner, Counterpoint Analysis, Wind, Bloomberg.
- Compared product specifications and growth runways of 6 CPU companies systematically with SPEC CPU benchmarks.
- Presented industry and company investment pitch with Q&A to Analyst, Head of Research, and Head of Talent.

Investment Banking Division Intern, PTA, CSC Financial Co., Ltd.

Sep – Oct 2021, Singapore

- Prepared precedent transactions report on Xinjiang's public offering bonds, MTN, SCP, PPN filings.
- Assessed bond capital-raising project feasibility for a \$13B green-tech company examining past prospectus, auditors, solvency analysis reports and proposed bond type and issuing amount.
- Performed credit risk assessment on a \$7B city investment enterprise's debt-financing project using debt, liquidity, profitability ratios.

Business Strategy Consultant Intern, HuNet Consulting Pte. Ltd.

Aug – Sep 2021, Singapore

- Appointed assistant consultant of a \$60K business transformation project with 50+ member law firm.
- Organised and facilitated 10+ interviews with firm partners and senior associates for company analysis.
- Conducted SWOT and ENPS analysis, Customer Journey Map, and Persona portfolio.

Competitions & Leadership

Portfolio Manager & Sponsorship Director, Oxford Alpha Fund

Nov 2020 – Jun 2022, United Kingdom

- Selected into a top 10% cohort of a competitive financial modelling and valuation bootcamp.
- Led investment teams as Pitch PM, pitching long ideas to senior audiences at JPMorgan, Point72, and Capital Group; finalist in the Capital Group European Stock Pitch Competition.
- Coordinating sponsor discussions with firms including BNP Paribas, GIC, and Balyasny Asset Management.
- Built investment theses using TAM estimation, DCF valuation, scenario and sensitivity analysis, and empirical techniques.
- Conducted in-depth comparable and industry analysis using Bloomberg, Texus, In Practice, and CapIQ.

JCR Treasurer, Merton College, University of Oxford

Jun 2021 – Jun 2022, United Kingdom

- Advised and tabulated termly accounts and budgets for the Junior Common Room (undergraduate student body).
- Communicated and negotiated key issues with the Warden and staff on behalf of students, including inflation, rents, and security costs.
- Made significant optimisation to the budget allocation and the reimbursement system for 200+ payments.

Entrepreneur, Crisis Challenge Start-up Competition

May–Aug 2020, China

- Led team to design prototype of e-commerce company addressing market gap in education materials.
- Executed extensive market surveying, engaged 150 target consumers to generate a detailed business operation model.

Skills

IT: R (advanced), Python (advanced), Stata (advanced), Matlab (proficient), Excel (proficient), AutoCAD (intermediate).

Public Speaking: Top 10 Speaker in Singapore nationwide debate competitions (Hwa Chong British Parliamentary, 2018; Singapore International School Debate League, 2019); Raffles Institution Debate Club; trained adjudicator.

Language: English (native), Mandarin (native).