

Sophia Qin

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EDUCATION

Stanford University

B.S. Mathematics; B.S. Economics with Honors, advised by Prof. Paul Milgrom; Minor in Data Science
M.S. Statistics, in progress

Expected June 2027

GPA: 3.95/4.00

- Coursework: Economic Analysis, Econometrics, Linear Algebra, Multivariable Calculus, Real Analysis, Probability Theory, Statistical Inference, Stochastic Processes, PDEs
- Honors: Ronald I. McKinnon Fellow (Stanford King Center), Schneider Fellow, Lunsford Award Nominee

RESEARCH EXPERIENCE

Federal Reserve Board of Governors

June 2025–Dec 2025, June 2026–Sept 2026

Economic Research Intern for Dr. Sai Ma and Dr. Juan Londono

- Co-authored [paper](#) introducing novel econometrics-based measure of trade flow uncertainty and constructed uncertainty indices for 40 countries using reproducible Python/R/MATLAB workflows; extended analysis in a FEDS Note
- Estimated and extended VAR and threshold VAR specifications to test whether elevated trade flow uncertainty amplifies macroeconomic effects of trade policy uncertainty shocks
- Submitted to *Journal of International Economics*

Senior Thesis in Economics

Sep 2025–June 2026

Advised by Prof. Nicholas Bloom

- Constructed firm-level climate policy uncertainty index from earnings-calls and used panel regressions, heterogeneity analysis, and tone decomposition to study effects on firm investment, innovation, and hiring
- Selected as one of four finalists for the International Atlantic Economic Society Best Undergraduate Paper Award
- Awarded Ronald I. McKinnon Memorial Fellowship and Stanford Undergraduate Research Grant

Hoover Institution, Stanford University

Research Assistant for Prof. Valerie Ramey

Jan 2025–Present

- Conducted COVID stimulus MPC analysis by extending Stata codebase to construct real spending measures and estimate MPCs across intermediate consumer spending categories; uncovered data issues that led to empirical corrections
- Replicated and extended empirical analyses on Alaska dividend payments and California test score gaps using household survey, labor and education data

Columbia University

Research Assistant for Prof. Douglas Almond

May 2022–Dec 2024

- Built Python workflow to scrape data, process firm-level carbon reports, and conduct analysis, supporting first empirical evidence on China's rate-based national emissions trading system (ETS)
- Invited to attend conferences hosted by NBER, Asian Development Bank, Tsinghua University; acknowledged in forthcoming papers on 1) liquified natural gas trade emissions and 2) China ETS

PROFESSIONAL EXPERIENCE

Economics Department, Stanford University

Sept 2025–Dec 2025

Teaching Assistant, Econ 50: Economic Analysis I

- Taught weekly discussion sections for class of 150 students, hosted office hours, graded exams

Graduate School of Business, Stanford University

June 2026–Dec 2026

Co-Author with Prof. Bill Barnett

- Co-authored an MBA case study on Environmental Defense Fund's market-based climate strategy for use in EBS 280: Creating and Scaling Organizations for Environmental Sustainability

- Interviewed EDF executives and co-hosted [GSB podcast](#) for Stanford Initiative on Business and Environmental Sustainability

Climate AI

Oct 2023–June 2024

Data Science Intern

- Built interactive dashboard modeling water capacity of 7246 reservoirs using remote-sensing data, geospatial processing, and curve-fit models to estimate surface area and volume

PAPERS AND CONFERENCES

- [1] Sai Ma, Juan M. Londono, and **Sophia Qin**. "[Dissecting Trade Uncertainty](#)." Working Paper. Under review at the *Journal of International Economics*.
- [2] Sai Ma, Juan M. Londono, and **Sophia Qin**. FEDS Note. "Why Has Global Trade Remained Resilient Despite High Trade Policy Uncertainty?" FEDS Note. Submitted.
- [3] **Sophia Qin**. "The Cost of Climate Policy Uncertainty: Evidence from Firm-Level Earnings Calls." Honors Thesis. Submitted
- [4] **Sophia Qin**. "A Study of the Endowment Effect and Status Quo Bias in Phase II and Phase III of the European Union Emissions Trading System." Advised Professor Edoardo Gallo, Cambridge University. Published.
- [5] Stanford Institute for Theoretical Economics ([SITE](#)) Conference

SKILLS AND INTERESTS

- Technical: Python, R, Stata, MATLAB, Java, C++, LaTeX, Excel, Git
- Languages: English (fluent), Mandarin Chinese (fluent), Spanish (proficient)
- Selected Activities: TEDx speaker, published author, nonprofit founder