

SHENG QU

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EDUCATION

University of Colorado Boulder Boulder, CO	May 2026
Ph.D. in Economics GPA: 3.86/4.00	
Tufts University Medford, MA	May 2020
M.S. in Economics GPA: 3.62/4.00	
University of Wisconsin Madison Madison, WI	August 2018
B.A. in Economics GPA: 3.59/4.00	

SKILLS

Relevant Courses: Micro & Macro Economic Theory, Advanced Statistics, Theoretical & Applied Econometrics, Time Series Analysis
Technical Skills: STATA, Python, R, MATLAB, SQL, Tableau, Microsoft Office (Excel with Power Query, Outlook, PowerPoint)

PROFESSIONAL EXPERIENCE

Instructor of Record	August 2024 - Present
<i>University of Colorado Boulder Boulder, CO</i>	
<ul style="list-style-type: none">Deliver lectures in Principles of Micro and Macroeconomics for a class of 167 students, meeting 2-3 times per week. Develop comprehensive course materials, including lecture slides, exams, and problem sets. Average student rating: 5.3/6.0Provide three hours of weekly one-on-one tutoring, offering personalized assistance with complex topics and exam preparation.	
Graduate Research Assistant	January 2023- July 2024
<i>University of Colorado Boulder Boulder, CO</i>	
<ul style="list-style-type: none">Managed a data collection project with a team of three research assistants, using Python, STATA, and the Google API to compile and clean 26,209 academic and career profiles.Developed a comprehensive pipeline for processing text data using Python and STATA, automating the digitization, parsing, and cleaning of 62,549 historical job postings and enhancing data accuracy by 24%Implemented linear regressions to estimate the impact of mentorship program participation on career outcomes, finding that participants were 11.8% more likely to secure tenure-track positions and 10.9% more likely to achieve tenure.Visualized key trends and distributions of job postings across 21 fields in Economics from 1974 to 2018 using Python and STATA.	

PAPERS

Tuition Pricing Strategies at Colleges: The Impact of Rising International Student Enrollments

- Conducted quantitative analysis of the financial impact of increased international student enrollment in U.S. post-secondary institutions, focusing on the effects on tuition pricing strategies and revenue streams.
- Developed and applied causal inference methods, including shift-share instrumental variable models and event-study Difference-in-Differences (DiD) methods, to assess the impact of enrollment changes.
- Estimated that a 1% increase in international enrollments leads to a 3.62% tuition increase at public universities, a 1.44% tuition decrease at private universities, and a 2.2% overall revenue growth.

Gender Bias Evaluation in Music Lyrics

- Examined gender bias in music lyrics using Natural Language Processing methods, including text classification and sentiment analysis.
- Processed, tokenized, and vectorized the lyrics of 5,100 songs from 1965 to 2015 using Python. Conducted sentiment analysis and identified gender-biased language patterns, revealing a 14% reduction in gender-biased language over time.

College Admission, Mismatch, and Labor Market Outcomes

- Cleaned and merged data from two million observations spanning two decades using Python and STATA.
- Examined the impact of a policy aimed at reducing academic mismatch in the college admissions process on the labor market outcomes of college students, using staggered Difference-in-Differences (DiD) analysis.
- Found that reducing mismatches in admissions did not improve labor market outcomes for graduates, contradicting the theoretical prediction that reducing mismatch would yield positive results.