

# Shenghao Peng

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## SUMMARY

Economics Ph.D. student with a background in labor economics and energy economics. Harnesses training in causal inference on applied research. Particular interest in tax and transfer, inequality, and public safety. Core competencies grounded in causal difference-in-difference method and instrument variable estimation. Applies analytical skills to synthesize data information and explore underlying findings, while building relationships at all levels through communications and collaborations. Seeks to utilize economic theory and statistical skills to and social welfare.

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## EDUCATION

Northeastern University	Boston, MA, US
Ph.D. Candidate in Economics, Labor Economics Concentration	Expected May 2026
Tufts University	Medford, MA, US
M.S, Economics	May 2020
Renmin University of China	Beijing, China
Bachelor of Economics at Energy Economics	June 2017

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## SKILLS

Software: Stata; Python; R (beginner); LATEX; Microsoft Office

Language: English; Mandarin; Spanish (A1)

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## TEACHING EXPERIENCE

<b>Adjunct Lecturer, Department of Economics, Northeastern University</b>	Sep 2025 - Present
<ul style="list-style-type: none"><li>Undergraduate course: Principles of Macroeconomics</li><li>Consolidated core concepts of the course with own teaching materials on Top Hat</li><li>Held office hours, review sections, assigned homework and exams</li></ul>	Boston, MA
<b>Adjunct Lecturer, Department of Economics, Northeastern University</b>	May 2023 – Aug 2023
<ul style="list-style-type: none"><li>Undergraduate course: Principles of Macroeconomics</li><li>Held office hours, review sections, assigned homework and exams</li></ul>	Boston, MA
<b>Recitation Leader, Department of Economics, Northeastern University</b>	Sep. 2022- Feb. 2024
<ul style="list-style-type: none"><li>Conducted 4-section Recitations of ECON 1125 Macroeconomics</li><li>Held office hours to answer questions about assignments and quizzes</li></ul>	Boston, MA

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## RESEARCH EXPERIENCE

<b>Graduate Researcher, Northeastern University</b>	Oct. 2024-Present
<b>Job Market: Evaluating the Impact of an Income Shock on Crime: Evidence from 2021 Child Tax Credit Expansion</b>	
<ul style="list-style-type: none"><li>Estimated the county-level average extra Child Tax Credit using CPS 2015–2019 and 2020 Census data.</li><li>Linked NIBRS incident-level offenses to county-level credit exposure in a county–month panel.</li><li>Found that during the benefit periods, crime rates were higher relative to the pre-benefit baseline.</li></ul>	

**Topic: Does low traffic save life? Evidence from Stay-at-home Order**

Sep.2023-Dec. 2024

- Built a daily state–county panel on the timing and scope of stay-at-home orders.
- Implemented staggered difference-in-differences (event-study) for robustness.
- Evidence indicates traffic volume has a larger effect on fatal crashes than previously thought.

**Topic: The Impact of Natural Disaster on Natural Gas Price, after the Shale Gas Boom**

Sep.2022-Dec. 2024

- Constructed a monthly state panel combining energy, economic, and labor statistics.
- Collected and harmonized natural-disaster data to align with the panel.
- Estimated regional and time-varying price responses; found greater post-2010 price stability in states with increased shale gas production and fewer disasters.

**Graduate Researcher, Tufts University**

Sep. 2019-May 2020

Thesis: Do We Need More Natural Gas in New England? Evidence from Demand Estimation

Medford, MA

- Structured gas demand functions for Residential, Commercial and Industrial Consumers
- Constructed a monthly statewide panel dataset by considering seasonal and regional effect with Stata
- Chose partial adjustment model to estimate short and long-run elasticity
- Estimated the regional-specific price elasticity of natural gas in New England, -0.45 in Residential Sector and -0.51 in Commercial Sector
- Discussed potential pricing policy to avoid new pipeline construction, 8.66% increase to price in Residential Sector and 7.64% increase in Commercial Sector to restrain the excess demand

**Project Leader, National University Student Innovation Program, Ministry of Education**

April 2015-April 2017

Report: Research on Public's risk perception and willingness to accept (WTA) paraxylene (PX)

Beijing, China

- Reviewed documents and theories about the NIMBY effect and CVM model and designed a questionnaire to Investigate the public's risk perception and WTA
- Performed data collection by SPSS during two-time field investigations in Xiamen, Zhangzhou and Kunming
- Concluded that public's risk perception of PX is highly related to sex, occupation and education, and estimated that the average WTA on PX is ¥12000/m<sup>2</sup>

**LEADERSHIP AND SERVICES****Primary Volunteer, International Industrial Organization Conference, 20<sup>th</sup>**

May 13-15, 2022

Boston, MA

- Worked as the primary volunteer during the conference which is hosted by Department of Economics, Northeastern University, distributed guest card, directed entry to each venue, and took charge of Media and Property Rights section
- Joined the Plenary Talks and raised questions for economics and competition policy

**Department Assistant, Organization Department of Kunming Municipal Committee**

Jul. 2017-Aug. 2017

Kunming, China

- Graded the enterprises in an area according to their discipline construction performance
- Investigated the credit standing of the enterprises in Chengong District with a team
- Walked on the street as national civilized cities established and publicized civilized behavior guideline