

ZIXIN LIU

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SUMMARY OF QUALIFICATIONS

- Ph.D. candidate in economics with 5+ years' experience of economic modeling, applying impact-evaluation methods and statistical tools to answer economic questions
- Advanced programming skills in large data processing, regression analyses and statistical results reporting using R, Python, SQL, SAS, Stata, Tableau; In-depth knowledge in machine learning theories and applications
- Experience in leading economic research projects and working with economists

RESEARCH FIELDS

Labor Economics, Economics of Education, Applied Econometrics

EDUCATION

Ph.D. in Economics University of Missouri-Columbia; Columbia, Missouri Thesis: <i>Three Essays on China's Labor Market</i>	May. 2021 (Expected)
M.A. in Economics University of Missouri-Columbia; Columbia, Missouri	Dec. 2016
B.A. in Finance Beijing Language and Cultural University; Beijing, China	July 2013

RESEARCH EXPERIENCE

Research Assistant , Food and Agricultural Policy Research Institute University of Missouri , Columbia, Missouri	Feb.2020-Dec.2020
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Projects:

- *Developed tests to explain estimated large price elasticities in the US imports and exports of agricultural products;*
- *Estimated elasticities on area, livestock supply, feed demand, ending stock, food demand for agricultural commodities in the U.S;*
- *Extended Armington demand model to estimate the impact of BSE outbreak in the US and tariff agreement between US and Japan on Japanese demand of beef and pork*

Research Assistant , Dr. Peter Mueser University of Missouri , Columbia, Missouri	Jun.2017-Aug.2017
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- *Cleaned and developed a 3-strata strategy to weight a Chinese national survey data to make it more representative to Chinese population*

Research Assistant , Economic Policy Analysis Research Center University of Missouri , Columbia, Missouri	Jun.2016-Aug.2016
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- *Developed a model based on the Difference-in-Difference (DiD) structure to identify the impact of the Cultural Revolution on intergenerational and multi-generational mobility in China*

Leader & Researcher, Chinese National Undergraduate Innovative Experiment Program
Beijing Language and Cultural University, Beijing, China 2012
 Project Title: “*Empirical Analysis of Influencing Factors of Housing Price-Based on Panel Data of Thirty-one Provinces*”

- *Led a 4-people research group to conduct an economic research project on China's housing price, funded by the Ministry of Education of PRC (20,000 Yuan)*
- *Collected macro-level panel data and applied a fixed effect model to study the impact of various economic factors on the housing prices in China*
- *Presenting the project results in an academic seminar at the Beijing Language and Cultural University; Owned the best research program award of BLCU*

TEACHING EXPERIENCE

Teaching Assistant, Department of Economics Jan. 2014-Dec. 2019
University of Missouri, Columbia, Missouri

Classes Assisted with:

Problems in Economics (Graduate Level)	Fall 2019
Monetary Banking	Summer 2019
Intermediate Microeconomics	Spring 2018-Summer 2019
Principles of Macroeconomics	Spring 2014, 2017
General Economics	2016
Quantitative Economics (PhD Level)	Fall 2014, Fall 2015
Microeconomic Theory (Graduate Level)	Spring 2015

- *Graded class homework, exams, discussion boards*
- *Clarified class-related questions to students*
- *Organized review sessions to help student better understand class materials and prepare for class exams*
- *Assisted professors in other class-related activities, e.g. prepared evaluation assessments and provided monitoring and feedback*

High School Teacher (Volunteer), Economics Sep. 2011- Dec. 2011
Junior Achievement (JA), Beijing, China

- *Taught students of Beijing No.1 High School economic theories and applications in company decision making*
- *Tutored students MESE (a software designed to develop decision-making and teamwork skills) and helped them win the 6th place in the “The High School MESE Competition in Beijing”*

WORKING EXPERIENCE

Manager Assistant (Intern), Department of Personal Finance July.2012-Sep.2012
Industrial and Commercial Bank of China, Liuzhou, China

- *Recorded customers' information, analyzed the inflows and outflows of customers' funds by customer type, and reported the analytical results to the manager*
- *Prepared report materials for the manager and helped the manager in maintaining client relationship*

RESEARCH PAPERS

[“The Impact of the Cultural Revolution on Intergenerational Mobility of China”](#)

(Job Market Paper, Under Review of *Explorations in Economic History* (SSCI-Q1))

This paper studies the impacts of the Cultural Revolution on intergenerational and multi-generational educational mobility in China. We use a difference-in-difference method to show that the Cultural

Revolution (CR) significantly reduced the advantage of having a more-educated father on a child's educational attainment. The impact of the CR on intergenerational mobility is identified by an index that measures for each individual the number of school years during which the CR restricted education access. The decline of the effect of father's educational level on children's college degree attainment is mediated through the likelihood of obtaining a high school degree, participating in the college entrance examination, and obtaining higher exam scores for those who take the exam. However, the Cultural Revolution did not eliminate the advantage of having a more-educated father on a child's educational achievement, nor did it reduce the effect of grandfather's schooling on a grandchild's educational achievement.

[“Impact of the College Expansion on Skilled Labor Market in China”](#)

An unprecedented expansion in the Chinese higher education system began in 1999, bringing a large number of skilled workers into the market. In this paper, we study the short-term response of the labor market to this college expansion. Using the number of provincial college admissions as a measure of college expansion, we identify the impacts of the college expansion on the college premium, unemployment, and skills used in first jobs. In the short run, the college expansion decreased the college premium and increased the likelihood of unemployment for new college graduates. Also, the college expansion reduced the cognitive skills used in college graduates' first jobs. The negative impact of the college expansion on labor outcomes is smaller on older college graduates. Using the college admissions as an instrument for supply shock, we also identify the impact of a positive supply shock on the wage of skilled labor, and the quantity in the skilled labor market of China in the short run. Our results are consistent with findings published in the 1970s focusing on the effects of the U.S college expansion.

[“The Impact of Aggregate College Admissions on the Internal Migration in China: Evidence from the College Expansion”](#)

China undertook a nationwide college expansion in 1999-2012, which dramatically increased college admissions and higher educational resources across the country. This paper studies the impact of aggregate college admissions on inter-provincial migration in China for different age groups before and during the college expansion. Using a linear model to examine migration propensity, I find that the college expansion has a direct “enrollment effect” and a “competition effect” on inter-provincial migration. College-bound students are more likely to migrate in ages 17-20 as college admissions in outside provinces increase; and college graduates are more likely to migrate after graduation as the number of local new college graduates increases. In addition, I identify a negative impact of local college admissions on migration in ages 17-20, reflecting the improvement in local educational and labor market opportunities. I also use a conditional Logit model to consider the inter-regional migration choice, which indicates a positive effect of regional college admissions on inter-regional migration.

HONORS AND GRANTS

The Norman Bowers Scholarship	2019
<i>The MU econ department scholarship for excellent research in labor economics</i>	
Grant for CES Conference	2019
<i>The grant for presenting a paper in the Chinese Economist Society (CES) North America Conference</i>	
Mizzou Summer Research Grant	2015-2017
<i>The MU econ department grant for summer research projects</i>	
The Scholarship of BLCU	2010-2013
<i>The Beijing Language and Cultural University scholarship for excellent undergraduate students</i>	

The Best Research Project of BLCU 2012
The Beijing Language and Cultural University award for excellent research project

The Best JA Volunteer Team in Beijing 2011
The award for the best Junior Achievement (a worldwide non-profit organization) volunteer team (6 people) in the Beijing areas

CONFERENCES

Shenzhou Forum for International Scholar by Harbin Institute of Technology Dec.2020
 Title: “*The Impact of the College Expansion on Skilled Labor Market in China*”
 Online

Missouri Valley Economic Association (MVEA) Annual Meetings Oct.2019
 Title: “*The Impact of the College Expansion on Skilled Labor Market in China*”
 Kansas City, Missouri

Chinese Economist Society (CES) North America Conference Apr.2019
 Title: “*The Impact of the College Expansion on Skilled Labor Market in China*”(funded by the CES committee \$300)
 Lawrence, Kansas

CERTIFICATES

Data Science and Machine Learning Bootcamp with R Aug.2020
 Machine Learning A-Z™: Hands on Python and R in Data Science Aug.2020
 Data Science A-Z™: Real-Life Data Science Jul.2020
 SAS Certified Advanced Programmer Dec.2017

REFERENCES

Dr. Peter Mueser, Chancellor’s Professor (Academic Advisor)
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Dr. Cory Koedel, Associate Professor
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Dr. Oksana Loginova, Associate Professor
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