

# Xiupeng Wang

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**EMPLOYMENT**

Assistant Teaching Professor, Northeastern University	2024 - Present
Visiting Assistant Teaching Professor, Northeastern University	2023 - 2024
Postdoctoral Associate, Boston University	2022 - 2023
Visiting Assistant Professor, Skidmore College	2021 - 2022
Postdoctoral Fellow, Stanford University	2020 - 2021
Postdoctoral Associate, Massachusetts Institute of Technology	2018 - 2020

**RESEARCH AFFILIATIONS**

Digital Fellow, Stanford Digital Economy Lab	2021 - Present
Senior Research Associate, Harvard Center for Labor and a Just Economy	2021 - Present
U.S. Census Special Sworn Status (SSS)	2018 - Present

**EDUCATION**

<i>Ph.D. in Economics,</i> University of Connecticut, Storrs, CT	2018
<i>M.S. in Physics,</i> New Jersey Institute Of Technology, Newark, NJ	2012
<i>B.S. in Physics,</i> Shandong Normal University, Jinan, China	2005

**RESEARCH INTERESTS**

Economics of Information, Information Systems, IT and Labor Market

**TEACHING INTERESTS**

Management Information Systems, Data Mining and Machine Learning,  
Business Analytics, Economics of Digitalization

**PUBLICATION**

**“Human Capital Acquisition in Response to Data Breaches”** (Forthcoming at **MISQ**) [Link](#)  
with Sarah Bana, Erik Brynjolfsson, Wang Jin, and Sebastian Steffen  
Media Appearance: [Technology Academics Policy](#)  
Presentations: CIST 2020, Stanford 2020, WISE 2021, ASSA 2022, WEIS 2022

**“Labor Market Polarization in Britain and Germany: A Cross-national Comparison Using Longitudinal Household Data”** *Labour Economics*, 65, 2020. [Link](#)

**WORKING PAPERS**

**“AI’s Job Shakeup: Analyzing the Uneven Impact of AI Adoption on Labor Demand”**  
with Bin Gu and Mohammad Soltanieh-ha

**“Information Technology, Firm Size, and Industrial Concentration”**  
[NBER WP](#)

with Erik Brynjolfsson and Wang Jin

Media Appearance: [ProMarket at the University of Chicago](#)

Presentations: ASSA 2020, Stanford 2021, Boston University 2022, IIOC 2022, CIST 2022, NBER Productivity 2022

**“The Intangible Divide: Why do so few firms invest in innovation?”** [SSRN](#)

*with James Bessen*

Presentations: Boston University 2023 & 2024, CIST 2023, NBER Productivity 2024, MIT 2024, IIOC 2024, CAED 2024, GEIRC 2024, ASSA 2025

**“The Rise of Creative Destruction: Technological Rivalry, Productivity, and Firm Growth”**

*with Yoshiki Ando and James Bessen*

**“Using Massive Online Experiments to Develop New Measures Of Non-Market Production: Implications For GDP”**

*with Erik Brynjolfsson and David Nguyen*

Presentations: MIT CODE 2022, WISE 2023, Stanford University 2024, ESCoE 2024

**“Power Law Distribution of Firm Sizes and the Information Technology”**

*with Erik Brynjolfsson and Wang Jin*

**“Union Wage and Job Loss: A Cross-national Comparison”** (Previously titled: “Is it who you are or where you work? A Cross-national Comparison of the Probability of Involuntary Job Loss”) [SSRN](#)

**“A Comparative Analysis of the Impact of Job Displacement”**

*with Kenneth Couch* (Draft Available Upon Request)

**WORK IN  
PROGRESS**

**“Software Investment, Digital Transformation, and Data Breaches”**

*with Wang Jin and Sebastian Steffen*

**“Understanding Human Needs to Develop Human-Centered AI Benchmarks for Household Activities”**

*with Erik Brynjolfsson, Feifei Li, David Nguyen, Jiajun Wu, and Ruohan Zhang*

**“Foreign IT Workers and Firms’ Investment in IT”**

*with Holden Diethorn, Wang Jin, and Che-wei Liu*

**“How Do High Skilled Immigrants Affect the Domestic Labor Market?”**

*with Richard Freeman*

**PRESENTATIONS**

Allied Social Science Associations (ASSA) Annual Meeting, CA	Jan 2025
The 18th Comparative Analysis of Enterprise Data (CAED), PA	May 2024
University of Washington, WA	May 2024
International Industrial Organization Conference (IIOC), MA	May 2024
New Measures of the Economy Workshop 2024, Stanford, CA	Mar 2024
Workshop on Information Systems and Economics (WISE)	Dec 2023
Conference on Information Systems and Technology (CIST)	Oct 2023
Boston University	May 2023
NBER Productivity Seminar	Dec 2022
MIT Conference on Digital Experimentation	Oct 2022
Conference on Information Systems and Technology (CIST)	Oct 2022
International Industrial Organization Conference (IIOC), MA	May 2022
Skidmore College	Mar 2022
Boston University	Mar 2022
Allied Social Science Associations (ASSA) Annual Meeting, (Poster) Virtual	Jan 2022

Workshop on Information Systems and Economics (WISE)	Dec 2021
Stanford Digital Economy Lab, CA	Nov 2021
Allied Social Science Associations (ASSA) Annual Meeting, Virtual	Jan 2021
Conference on Information Systems and Technology (CIST)	Oct 2020
Labor and Employment Relations Association (LERA) Annual Meeting, Virtual	Jun 2020
Southern Economic Association Conference, Tampa, FL	2017, 2018, 2019
Economics Department, Bates College, ME	Nov 2017
Price Theory Summer Camp, University of Chicago	2017
APPAM DC Regional Student Conference, Washington, D.C.	2017
Labor/Development/Health Seminar, University of Connecticut	2014 - 2017

**RESEARCH FUNDING** Alfred P. Sloan Foundation: Intangibles, productivity, and firm growth (Co-PI) 2023-2025

**OTHER RESEARCH EXPERIENCE** **Research Assistant** for Shaun M. Dougherty, University of Connecticut 2017 - 2018

**TEACHING EXPERIENCE**

<b>Data Mining and Machine Learning for Business</b> , Northeastern University	2024
<b>Introduction to MIS</b> , Northeastern University	2023, 2024
<b>Economics of Digitalization and IT</b> , Skidmore College	2022
<b>Analytics Lab</b> , Mentor, MIT Sloan School of Management	2019, 2021
<b>Introduction of Microeconomics</b> , Skidmore College	2021
<b>Empirical Methods (Econometrics)</b> , UCONN	2017
<b>Mathematical Economics</b> , UCONN	2016
<b>Intermediate Macroeconomics</b> , UCONN	2014, 2015
<b>Money and Banking</b> , Teaching Assistant, UCONN	2014
<b>Econometrics (Graduate level)</b> , Teaching Assistant, UCONN	2013
<b>Mathematical Economics (Graduate level)</b> , Teaching Assistant, UCONN	2013

**PEER REVIEW EXPERIENCE**

Management Science  
Information Economics and Policy  
Journal of Human Resources  
Oxford Bulletin of Economics and Statistics  
European Journal of Political Economy  
International Conference on Information Systems  
Conference on Information Systems and Technology  
Industrial and Labor Relations Review

**LEADERSHIP EXPERIENCE**

<b>President</b> , <i>Association of Graduate Economics Students, UConn</i>	2014 - 2015
<b>President</b> , <i>Chinese Students &amp; Scholars Association, UConn</i>	2013 - 2015
<b>Senator</b> , <i>Graduate Student Senate, UConn</i>	2014 - 2015
<b>Graduate Representative</b> , <i>University Master Plan Advisory Committee, UConn</i>	2014 - 2014

**HONORS & AWARDS**

Graduate Assistantship	2012 - 2018
Predoctoral Fellowship	2013 - 2018
Summer Research Fellowship	2013 - 2017

**COMPUTER SKILLS** STATA, R, Python, SAS, MatLab, MySQL, ArcGIS, IDL, LATEX