

# LIKUN CAO 曹立坤

Department of Sociology

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UPDATED MAY 2023

## EDUCATION

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### The University of Chicago

Chicago, IL

Ph.D., Sociology

Expected: 2025

- *Certificate in Computational Social Sciences*
- *Certificate in Advanced Quantitative Method*

2022

2021

M.A., Sociology

2021

### Tsinghua University

Beijing, China

M.A., Sociology

2019

B.A., Sociology

2016

## PROFILES

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**Research Interest:** Science, Technology and Innovation; Computational Social Science; Organizational Analysis; Entrepreneurship

**Coding:** Python, R, STATA

**Statistic Software:** SPSS (AMOS), SAS, ArcGIS, Geoda, Eviews

**Other Research Tools:** Mechanical Turk; Zooniverse

**Language:** Chinese (native), English (professional), French (DELF A2)

## PUBLICATIONS

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**Cao, L.,** Chen, Z., & Evans, J. (2022). Destructive Creation, Creative Destruction, and the Paradox of Innovation Science. *Sociology Compass*, 16(11).

Zheng, L., **Cao, L.,** Ren, J., Li, X., Yin, X., & Chen, J. (2022). How venture capital firms choose syndication partners: the moderating effects of institutional uncertainty and investment preference, *Management and Organization Review*, 18(3), 463-490.

**Cao, L.,** & Ren, J. (2022). Machine learning shows that the Covid-19 pandemic is impacting U.S. public companies unequally by changing risk structures, *PLOS ONE*.

Zheng, L., He, X., **Cao, L.,** & Xu, H. (2018). Making modernity in China: employment and entrepreneurship among the new generation of peasant workers. *International Journal of Japanese Sociology*, 27(1), 26-40.

Luo, J., **Cao, L.**, & Guo, R. (2018). The embeddedness of syndication in Chinese venture capital, *Jiangsu Social Sciences*, 229(4), 85-96. [In Chinese]

## WORKING PAPERS

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**Cao, L.**, Chen, Z., & Evans, J. Higher-Order Innovation and New Venture Success. *Submitted to ASR*.

**Cao, L.**, Pan, R., & Evans, J. The Geometry of Perspective: Predicting Personal Innovation with Dynamic Models of Subjectivity. *Data Analysis*.

**Cao, L.**, & Evans, J. Depth versus Breadth in the Hierarchical Recombination of Technology. *Drafting*.

## CONFERENCES AND INVITED TALKS

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### Academic Conferences

*“The Geometry of Perspective: Predicting Personal Innovation with Dynamic Models of Subjectivity”*

118<sup>th</sup> ASA Annual Meeting Aug 2023

*“Depth versus Breadth in the Hierarchical Recombination of Technology”*

118<sup>th</sup> ASA Annual Meeting Aug 2023

2<sup>nd</sup> International Conference on the Science of Science & Innovation Jun 2023

*“Comparing Social Learning Strategies in Collective Search: Simulation and Empirical Evidence in Technology and Culture Data”*

9<sup>th</sup> International Conference on Computational Social Science Jul 2023

*“Higher-Order Invention and New Venture Success”*

116<sup>th</sup> ASA Annual Meeting Aug 2021

7<sup>th</sup> International Conference on Computational Social Science Jul 2021

8<sup>th</sup> International Conference on Computational Social Science Jul 2022

1<sup>st</sup> International Conference on the Science of Science & Innovation Jun 2022

83<sup>rd</sup> Annual Meeting of the Academy of Management Aug 2023

*“Choice of Co-investment Partners of Chinese Venture Capital Firms”*

ICSA Annual Conference of the International Chinese Sociology Association Aug 2018

### Invited Talks

*“Modelling Social Contexts and Economic Landscape by Text Analysis”*

ProQuest’s 3<sup>rd</sup> Annual Fall Faculty Webinar Oct 2021

*“Higher-Order Invention and New Venture Success”*

Santa Fe Institute Graduate Workshop in Computational Social Science Jun 2022

University of Pittsburgh, School of Computing and Information Nov 2022

## FELLOWSHIP, AWARDS AND HONORS

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### The University of Chicago

- Urban Doctoral Fellow: Mansueto Institute for Urban Innovation 2023 - 2024
- Sociology Department Travel Grant (\$1000) 2023
- Charles Henderson Research Fund (\$4000) 2023

- IHS Hayek Fund for Scholars Grant (\$500) 2022
- UChicago Graduate Council Research & Personal Development Fund (\$600) 2022
- Wing C. Chan and Angelina H. Li Pre-Dissertation Research Grant (\$1650) 2022
- UChicago Graduate Fellowship for Ph.D. students 2019-2026

### **Tsinghua University**

- Chinese National Scholarship for Graduate Students (top 1%, ¥20000) 2018
- Tsinghua-Qingdao Data Science Institute Research Grant (€4000) 2018
- Tsinghua Comprehensive Excellence Scholarship (¥5000) 2016

## **TEACHING EXPERIENCE**

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### **The University of Chicago (Teaching Assistant)** 2020-2022

Sociology Department: *Thinking with Deep Learning for Complex Social and Cultural Data Analysis, Statistical Methods of Research*

Department of Economics: *Innovators*

### **Tsinghua University (Teaching Assistant)** 2016-2019

Sociology Department: *Social Network Analysis, Big Data Analytics, Financial Sociology*

Schwarzman College: *China's Rise in Comparative Perspective*

## **OTHER TRAINING**

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### **Summer School/Workshop/Reading Camp**

Carnegie School of Organizational Learning Summer School 2023

*Virtual Session*

HBS Summer School in Computational Organization Science 2023

*Harvard Business School, Boston*

Santa Fe Institute Graduate Workshop in Computational Social Science (GWCSS) 2022

*Santa Fe Institute, New Mexico*

*Simulation project: <http://jhmsfi.com/econ/homework20/4/index.html>*

Swarma-Kaifeng Foundation Reading Camp for Complex System 2020

*Virtual session*

Workshop on Artificial and Computational Social Sciences 2017

*Sun Yat-sen University, Guangzhou*

### **Online Courses and Tutorials**

Coursera: *Applied Data Science with Python Specialization, Deep Learning Specialization*

Complexity Explorer: *Introduction to Complexity, Introduction to Renormalization*

## **PROFESSIONAL SERVICES**

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### **Editorial Work**

- American Journal of Sociology Associate Editor 2022-2023
- American Journal of Sociology Manuscript Board Member 2021-2022

**Academic Translator and proofreader**

*Social Science Academic Press, Beijing*

- Social Network Analysis: Methods and Examples (Sage) 2019
- The Sense of Dissonance: Accounts of Worth in Economic Life (Princeton) Ongoing

**Reviewer**

*Journal:* American Journal of Sociology (occasional)

*Conference:*

2022: AOM Annual Meeting, SMS Annual Conference, IC2S2

2023: AOM Annual Meeting, IC2S2

**Workshop/Conference Organizer**

- IC2S2 co-organizer 2022
- Swarma computational social science reading group moderator 2022
- UChicago SSD B.A. thesis award committee 2022, 2023