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UPDATED AUG 2023

EDUCATION

The University of Chicago	Chicago, IL
Ph.D., Sociology	Expected: 2025
• <i>Certificate in Computational Social Sciences</i>	2022
• <i>Certificate in Advanced Quantitative Method</i>	2021
M.A., Sociology	2021
Tsinghua University	Beijing, China
M.A., Sociology	2019
B.A., Sociology	2016

PROFILES

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

Combinatorial Innovation in Science, Technology and Organizations

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

Co-Evolution of Knowledge and Organizational Networks

Ren, J., Li, X., & Cao, L. (2023). Manager mobility and private equity syndications from the perspective of coupling networks: evidence from China's private equity industry. *Journal of Social Computing*, forthcoming.

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.

- 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]

Other Publications in Computational Social Science

- 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*.

WORKING PAPERS

- Cao, L.**, Chen, Z., & Evans, J. Higher-Order Invention 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*.
- Zhong, Q., & **Cao, L.** Comparing Social Learning Strategies in Collective Search: Simulation and Empirical Evidence in Patent Data. *Data Analysis*

CONFERENCES AND INVITED TALKS

Academic Conferences

- “*The Geometry of Perspective: Predicting Personal Innovation with Dynamic Models of Subjectivity*”
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| 118 th ASA Annual Meeting | Aug 2023 |
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- “*Depth versus Breadth in the Hierarchical Recombination of Technology*”
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| 118 th ASA Annual Meeting | Aug 2023 |
| 2 nd 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*”
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| 9 th International Conference on Computational Social Science | Jul 2023 |
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- “*Higher-Order Invention and New Venture Success*”
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| 116 th ASA Annual Meeting | Aug 2021 |
| 7 th International Conference on Computational Social Science | Jul 2021 |
| 8 th International Conference on Computational Social Science | Jul 2022 |
| 1 st International Conference on the Science of Science & Innovation | Jun 2022 |
| 83 rd Annual Meeting of the Academy of Management | Aug 2023 |
- “*Choice of Co-investment Partners of Chinese Venture Capital Firms*”
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| ICSA Annual Conference of the International Chinese Sociology Association | Aug 2018 |
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Invited Talks

- “Modelling Social Contexts and Economic Landscape by Text Analysis”
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| ProQuest’s 3 rd Annual Fall Faculty Webinar | Oct 2021 |
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- “Higher-Order Invention and New Venture Success”
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| Santa Fe Institute Graduate Workshop in Computational Social Science | Jun 2022 |
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FELLOWSHIP, AWARDS AND HONORS

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

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

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

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, Chinese Journal of Sociology

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