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Department of Sociology

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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

RESEARCH INTERESTS AND SKILLS

Research Interest: Computational Social Science; Science, Technology and Innovation; Organization; Social Networks

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

Peer-Reviewed Journals

- [1] **Cao, L.**, Chen, Z., & Evans, J. (2022). Destructive Creation, Creative Destruction, and the Paradox of Innovation Science. *Sociology Compass*, 16(11).
- [2] 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.

Book Review and Book Chapters

- [3] **Cao, L.**, & Mao, H. (2023). Book Review for *Atlas of AI: Power, Politics, and the Planetary Costs of Artificial Intelligence*. *Journal of Intelligent Society*, 2(4): 192-206. [In Chinese]

UNDER REVIEW

Cao, L., Chen, Z., & Evans, J. Higher-Order Invention and New Venture Success. *Under Review.*

Cao, L., & Evans, J. Deep versus Broad Technology Search and the Timing of Innovation Impact. *Reject and Resubmit at SMJ.*

Cao, L, Zhang, L. & Evans, J. Spinning a Web in a Bottle: Networks, Organizational Structure and Career Success. *Under Review.*

WORKING PAPERS

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

Aceves, P., Chambers C., Alves, M., **Cao, L.** & Evans, J. Middle-Status Myopia. *Drafting.*

Zhong, Q., & **Cao, L.** Comparing Social Learning Strategies in Collective Search: Simulation and Empirical Evidence in Patent Data. *Data Analysis.*

FELLOWSHIP, AWARDS AND HONORS

The University of Chicago

UChicago Charles Henderson Research Fund-Final Round (\$2000)	2024
Institute for Humane Studies Graduate Student Fellowship (\$5000)	2024
Summer Residency Award at UChicago Beijing Center (\$2000)	2024
Urban Doctoral Fellow: Mansueto Institute for Urban Innovation (\$1000)	2023 -2024
UChicago Charles Henderson Research Fund (\$4000)	2023
Wing C. Chan and Angelina H. Li Pre-Dissertation Research Grant (\$1650)	2022
Various Travel Grants from SSD and UChicago Grad Council	2019-2026
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

CONFERENCES AND INVITED TALKS

Academic Conferences

“The Geometry of Perspective: Predicting Personal Innovation with Dynamic Models of Subjectivity”	
118 th ASA Annual Meeting, Philadelphia, PA	Aug 2023
“Hyperbolic Embedding as a Machine Learning Representation for Knowledge Systems”	
3 rd International Conference on Science of Science and Innovation, Washington, DC	Jun 2024
84 th AOM Annual Meeting, Chicago, IL	Aug 2024
10 th International Conference on Computational Social Science, Philadelphia, PA	July 2024
118 th ASA Annual Meeting, Philadelphia, PA	Aug 2023
2 nd International Conference on Science of Science and Innovation, Chicago, IL	Jun 2023
“Modularity, Higher-Order Invention and New Venture Success”	
83 rd AOM Annual Meeting, Boston, MA	Aug 2023

1 st International Conference on Science of Science and Innovation, Washington, DC	Jun 2022
8 th International Conference on Computational Social Science, Chicago, IL	Jul 2022
116 th ASA Annual Meeting, Virtual	Aug 2021
7 th International Conference on Computational Social Science, Virtual	Jul 2021
<i>“Comparing Social Learning Strategies in Collective Search: Simulation and Empirical Evidence in Technology and Culture Data”</i>	
74 th Annual Conference of the International Communication Association, AUS	June 2024
16 th Annual INAS Conference, DE	May 2024
9 th International Conference on Computational Social Science, Copenhagen, DK	Jul 2023
<i>“Choice of Co-investment Partners of Chinese Venture Capital Firms”</i>	
ICSA Annual Conference, Princeton, NJ	Aug 2018

Invited Talks

<i>“Modelling Social Contexts and Economic Landscape by Text Analysis”</i>	
ProQuest’s 3 rd Annual Fall Faculty Webinar	Oct 2021
<i>“Higher-Order Invention and New Venture Success”</i>	
Santa Fe Institute Graduate Workshop in Computational Social Science	Jun 2022
University of Pittsburgh, School of Computing and Information	Nov 2022
<i>“The Geometry of Perspective: Predicting Personal Innovation with Dynamic Models of Subjectivity”</i>	
The University of Chicago, Computational Social Science Workshop	Dec 2023

TEACHING EXPERIENCE

Teaching Assistant

Sociology Department/MACSS, The University of Chicago

Computational Content Analysis	2024
Thinking with Deep Learning for Complex Social and Cultural Data Analysis	2021-2022
Statistical Methods of Research	2022

Economics Department, The University of Chicago

Innovators	2020
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Sociology Department, Tsinghua University

Financial Sociology	2019
Social Network Analysis	2018
Big Data Analytics	2018

Schwarzman College, Tsinghua University

China’s Rise in Comparative Perspective	2018
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OTHER TRAINING

Summer School/Workshop/Reading Camp

The Summer Institutes in Computational Social Science (SICSS Chicago)	2024
Carnegie School of Organizational Learning Summer School	2023
HBS Summer School in Computational Organization Science	2023
Santa Fe Institute Graduate Workshop in Computational Social Science (GWCSS)	2022
Swarma-Kaifeng Foundation Reading Camp for Complex System	2020

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, Technovation, Journal of Social Computing, The Journal of Mathematical Sociology, Journal of Computational Social Science, Humanities and Social Sciences Communications**Conference:** AOM Annual Meeting, SMS Annual Conference, IC2S2**Workshop/Conference Organizer**

ICSSI Best Student Talk Award Committee 2024

UChicago SSD B.A. thesis award committee 2022-2023

Tsinghua social science seminar discussant 2023

Program committee member for IC2S2 2023

Swarma CSS reading group moderator 2022