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## EDUCATION

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<b>The University of Chicago</b>	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
 <b>Tsinghua University</b>	 Beijing , China
M.A., Sociology	2019
B.A., Sociology	2016

## RESEARCH INTERESTS AND SKILLS

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**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

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### Peer-Reviewed Journals

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.

### Book Review and Book Chapters

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

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

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

## WORKING PAPERS

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**Cao, L.,** Zhang, L. & Evans, J. Visible Ladders, Hidden Ladders: Unraveling the Interplay Between Formal Organizational Structures and Networks in Career Advancement. *Drafting.*

**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.*

## 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, Philadelphia, PA Aug 2023

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

3<sup>rd</sup> International Conference on Science of Science and Innovation, Washington, DC Jun 2024

84<sup>th</sup> AOM Annual Meeting, Chicago, IL Aug 2024

10<sup>th</sup> International Conference on Computational Social Science, Philadelphia, PA July 2024

118<sup>th</sup> ASA Annual Meeting, Philadelphia, PA Aug 2023

2<sup>nd</sup> International Conference on Science of Science and Innovation, Chicago, IL Jun 2023

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

83<sup>rd</sup> AOM Annual Meeting, Boston, MA Aug 2023

1<sup>st</sup> International Conference on Science of Science and Innovation, Washington, DC Jun 2022

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

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

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

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

74<sup>th</sup> Annual Conference of the International Communication Association, AUS June 2024

16<sup>th</sup> Annual INAS Conference, DE May 2024

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

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

ICSA Annual Conference, Princeton, NJ 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

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

The University of Chicago, Computational Social Science Workshop

2023

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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

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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

*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) 2024

- Kellogg School of Management/Northwestern University, Chicago

Carnegie School of Organizational Learning Summer School 2023

- Virtual Session

HBS Summer School in Computational Organization Science	2023
• <i>Harvard Business School, Boston</i>	
Santa Fe Institute Graduate Workshop in Computational Social Science (GWCSS)	2022
• <i>Santa Fe Institute, New Mexico</i>	
• <i>Simulation project: <a href="http://jhmsfi.com/econ/homework20/4/index.html">http://jhmsfi.com/econ/homework20/4/index.html</a></i>	
Swarma-Kaifeng Foundation Reading Camp for Complex System	2020
• <i>Virtual session</i>	
Workshop on Artificial and Computational Social Sciences	2017
• <i>Sun Yat-sen University, Guangzhou</i>	

### 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

• <i>Social Science Academic Press, Beijing</i>	
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
- *Conference:* AOM Annual Meeting, SMS Annual Conference, IC2S2

### Workshop/Conference Organizer

• Program committee member for Conference on Complex Systems (CCS)	2024
• UChicago SSD B.A. thesis award committee	2022-2023
• Tsinghua social science seminar discussant	2023
• Program committee member for IC2S2	2023
• Swarma computational social science reading group moderator	2022