

# Curriculum Vitae

Hanjia Lyu

March 4, 2024

Address: Department of Computer Science  
University of Rochester  
2513 Wegmans Hall  
Rochester, NY 14627  
Email: hlyu5@ur.rochester.edu  
Phone: (412) 614 - 0399  
Homepage: <https://brucelyu17.github.io/>

## Research Interest

Computational social science

## Education

2021 - Now University of Rochester, Ph.D. in Computer Science  
2019 - 2020 University of Rochester, M.S. in Data Science  
2013 - 2017 Fudan University, B.A. in Economics

## Recognitions

**2023** Donald M. and Janet C. Barnard Fellowship  
**2022** Snap Research Fellowship Semi-Finalist  
**2021** Graduate Student Scholarship, SBP-BRiMS  
**2020** First place in the UR Biomedical Data Science Hackathon

# Selected Publications

## Refereed Conference Papers

1. **Hanjia Lyu\***, Jinsheng Pan\*, Zichen Wang\*, and Jiebo Luo. Computational assessment of hyperpartisanship in news titles. In *AAAI International Conference on Web and Social Media, ICWSM*, Buffalo, NY, USA, June, 2024  
→ Media coverage: *UofR News Center, Study Finds, ScienceBlog, EurekAlert!*
2. Jinsheng Pan, Zichen Wang, Weihong Qi, **Hanjia Lyu**, and Jiebo Luo. Understanding divergent framing of the supreme court controversies: Social media vs. news outlets. In *Special Session on Intelligent Data Mining, IEEE Big Data Conference*, Sorrento, Italy, December, 2023
3. Edinam Kofi Klutse, Samuel Nuamah-Amoabeng, **Hanjia Lyu**, and Jiebo Luo. Dismantling hate: Understanding hate speech trends against nba athletes. In *International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation, SBP-BRiMS*, Pittsburgh, PA, USA, September, 2023
4. Jinsheng Pan\*, Weihong Qi\*, Zichen Wang, **Hanjia Lyu**, and Jiebo Luo. Bias or diversity? Unraveling fine-grained thematic discrepancy in U.S. news headlines. In *Workshop on News Media and Computational Journalism, MEDIATE, AAAI International Conference on Web and Social Media, ICWSM*, Limassol, Cyprus, June, 2023  
→ Media coverage: *UofR News Center, Study Finds, ScienceBlog, EurekAlert!*
5. Xupin Zhang, **Hanjia Lyu**, and Jiebo Luo. Understanding the hoarding behaviors during the COVID-19 pandemic using large scale social media data. In *Special Session on Intelligent Data Mining, IEEE Big Data Conference*, Virtual, December, 2021  
→ Media coverage: *Tech Xplore, UofR News Center*
6. Long Chen, **Hanjia Lyu**, Tongyu Yang, Yu Wang, and Jiebo Luo. Fine-grained analysis of the use of neutral and controversial terms for COVID-19 on social media. In *International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation, SBP-BRiMS*, Virtual, July, 2021  
→ Media coverage: *IEEE Spectrum, Tech Xplore, UofR News Center*

## Refereed Journal Papers

7. **Hanjia Lyu**, Ashal Imtiaz, Yufei Zhao, and Jiebo Luo. Human behavior in the time of COVID-19: Learning from big data. *Frontiers in Big Data*, 6:1099182, 2023

8. **Hanjia Lyu**, Zihe Zheng, and Jiebo Luo. Misinformation versus facts: Understanding the influence of news regarding COVID-19 vaccines on vaccine uptake. *Health Data Science*, 2022  
 → Media coverage: *Medical Economics, News Medical, News Wise, Medical Xpress*
9. **Hanjia Lyu**, Yangxin Fan, Ziyu Xiong, Mayya Komisarchik, and Jiebo Luo. Understanding public opinion toward the #StopAsianHate movement and the relation with racially motivated hate crimes in the US. *IEEE Transactions on Computational Social Systems*, 2021  
 → Media coverage: *UofR News Center, Rochester Beacon, Futurity*
10. **Hanjia Lyu**, Junda Wang, Wei Wu, Viet Duong, Xiyang Zhang, Timothy D Dye, and Jiebo Luo. Social media study of public opinions on potential COVID-19 vaccines: informing dissent, disparities, and dissemination. *Intelligent medicine*, 2(1):1–12, 2022  
 → Media coverage: *News Medical*
11. **Hanjia Lyu**, Long Chen, Yu Wang, and Jiebo Luo. Sense and sensibility: Characterizing social media users regarding the use of controversial terms for COVID-19. *IEEE Transactions on Big Data*, 7(6):952–960, 2020  
 → Media coverage: *IEEE Spectrum, Tech Xplore, UofR News Center*

## Teaching Experience

### Teaching Assistant

#### University of Rochester

CSC 480: Computer Models & Limitations	Spring 2023
CSC 486: Computational Complexity	Spring 2023
CSC 440: Data Mining	Fall 2022
CSC 446: Machine Learning	Spring 2022
CSC 440: Data Mining	Fall 2021
CSC 440: Data Mining	Fall 2020

## Industry Experience

<b>Meta</b> Research Scientist Intern Mentors: Dr. Hanqing Zeng and Dr. Yinglong Xia	Menlo Park, CA Apr. - Aug. 2023
<b>Meta</b> Research Scientist Intern Mentors: Fiona Tang, Dr. Ren Chen, and Dr. Yinglong Xia	Menlo Park, CA May - Sep. 2022
<b>Wyze Labs</b> Research Scientist Intern Mentors: Dr. Mohammad Mahdi Kamani, Dr. Zhongwei Cheng, and Dr. Lin Chen	Kirkland, WA Jan. - May 2022

## Invited Talks

GPT-4V as A Social Media Analysis Engine, Synchronous Reading Club	Jan. 2024
DEFIRST Reading Group at Mila x Vector Institute, Virtual	Oct. 2023
Great Lakes Science Boot Camp for Librarians, Virtual	June 2022
InsurTech Innovation: UK & China as Hotspots of the Global World, Virtual	Apr. 2022
CSUG Research Panel, University of Rochester	Oct. 2021
Experience Rochester, Virtual	Sep. 2020

## Service to the Research Community

### Reviewer for Conferences

ASONAM (23)  
BigData (24)  
ICWSM (21, 22, 23, 24)

### Reviewer for Journals

Data Science/Computational Social Science  
Behaviour & Information Technology

Frontiers in Big Data  
Frontiers in Political Science  
Humanities & Social Sciences Communications  
IEEE Transactions on Computational Social Systems  
International Journal of Data Science and Analytics  
International Journal of Human–Computer Interaction  
International Journal of Information Technology & Decision Making  
Journal of Big Data  
Journal of Computational Social Science  
Social Network Analysis and Mining  
Telematics and Informatics  
The Social Science Journal