Chuyao (Julian) WANG

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Computational Social Science; Public Opinion; Human-Computer Interaction; AI, Governance, and Society

Education

London School of Economics and Political Science (LSE)

Ph.D. in Social Research Methods (Computational and Experimental Social Science)   09/2022 – 07/2026

Supervisors: Prof. Patrick Sturgis F.B.A. (Survey Expert), Dr. Daniel De Kadt (Social Data Scientist)

Award: LSE Ph.D. Studentship £ 170,000

Training: Python Programming, Data Management with R, Artificial Intelligence

Hong Kong University of Science and Technology (HKUST)

M.Phil. in Social Science (Social Statistics), GPA 3.74 / 4.3   09/2020 – 06/2022

Supervisors: Dr. Han Zhang (Computational Social Scientist)

Award: Postgraduate Studentship HK$430,000

Training: Computational Social Science, Research Design, Social Network Analysis, Econometrics

M.Sc. in Global China Studies (Political Sociology), GPA 3.96 / 4.3 (Top 3)   09/2019 – 06/2020

Training: Statistical Inference, Comparative Politics, Social Stratification

Shandong University (SDU)

B.A. in History (Economic History), GPA 88.2 / 100   09/2016 – 06/2020

Exchanges: University of California, Los Angeles (GPA 4.00 / 4), University of Hong Kong (GPA 3.70 / 4.3)

Under Review

Diverse Governance Strategies to Conspiracy Theories and Their Consequences in China   Under Review

- Submitted to **Nature's** *Humanities and Social Sciences Communications* as the corresponding author
- Analyzed 46,387 posts with computational network analysis, topic modeling, and three case studies
- Revealed diverse backlash effects when the conspiracy theories were employed to mobilize the public
- Highlighted the limitations of authoritarianism, revealing the interplay between state control and public agency

Enhancing Public Deliberation by Conversations with Generative AI   Conditionally Accepted

- Conditionally accepted to a political communication journal in the Social Science Citation Index (Q2)
- Led as the co-1st Author; explored how conversations with ChatGPT enhance public deliberation on the carbon tax
- Combined visual-textual analysis with machine learning and a personalized conversational survey experiment

Working Papers

The Public Effects of Disclosing AI Authorship: Evidence from a Survey Experiment   In Progress

- Led as the 1st Author; examined how the impact of disclosing AI authorship on key public policy debates
- Designed and conducted a 2×2 digital survey experiment among a nationally representative sample of 2,000

Contextulizing a Large Language Model (LLM) to Improve Government Responsiveness   In Progress

- Collaborated with a local government in China which sought to tailor an LLM to categorize citizen complaint
- Contextualize a fine-tuned LLM in government institutions, target journal: *Nature Machine Intelligence*

400,000 News Images Shows that Ideological Hostility Intensifies with Public Crisis   Under Revision

- Led as the 1st Author; studied the ideological hostility of mass media under COVID-19 and beyond
- Framed questions, analyzed 400,000 images with machine learning and conducted regression analyses
- Found that ideological hostility in visual depiction did exist but could be mitigated by the COVID-19 severity

Conference Presentations

Presenter, 120th American Political Science Association Annual Meeting, Philadelphia 09/2024
- Selected to present paper *How Generative AI Debunks Misinformation and Empower Governance*
- Selected to include my collaborative paper *Diverse Governance Strategies to Conspiracy Theories in China*

Presenter, 19th Chinese Internet Research Conference, Hong Kong 09/2022
- Presented my collaborative paper *Cross-platform Practices of Netreds*

Participant, 4th Summer Institute in Computational Social Science (SICSS), Hong Kong 06/2021
- Selected to present my paper *0.4 Million Images Shows that Ideological Hostility is Eased in Crisis*
- Presented my project *How Visual Misinformation Fuels Polarization on Vaccination*, and secured a SICSS research grant

Presenter, 7th International Symposium on Quantitative History, Society of Quantitative History 07/2019
- Selected to present my paper *Quantifying Fiscal Mobilization in Modern China: A Political Sociology Approach*

Selected Grants and Awards

Total Amount Received: US\$ 1,050,000, or £ 858,000, or HK\$ 8,210,000

Research Grants

LSE Research and Impact Support Fund (as the only Principal Investigator)	Under Review
Research and Dissertation Grant HK\$ 90,000, Chinese University of Hong Kong (CUHK, Declined)	2022-26
Computational Social Science (CSS) Ph.D. Fellowship HK\$ 210,000, CUHK CSS Laboratory (Declined)	2022-26
SICSS Research Grant, Social Science Research Council, USA (as the only Principal Investigator)	09/2021

Academic Awards

LSE Ph.D. Studentship £ 170,000, LSE	2022-26
Hong Kong Ph.D. Fellowship HK\$ 1,010,000, Research Grant Council, Hong Kong (Declined)	2022-25
Vice-Chancellor's Ph.D. Scholarship HK\$ 80,000, CUHK (Declined)	2022-26
Ph.D. Assistantship US\$ 96,500, University of Illinois Urbana-Champaign (Declined)	2022-27
Research Scholarship S\$ 117,600, Nanyang Technological University (Declined)	2022-26
Postgraduate Studentship HK\$ 430,000, HKUST	2020-22
Dean's Award (3 Places, Top 5%), HKUST	11/2020

Collaborations and Services

Principal Investigator: SICSS Research Grant; LSE Research and Impact Support Fund

Research Collaboration: LSE; Harvard University; HKUST; Free University of Berlin; University of California, Davis

Teaching: LSE Graduate MY464 - Introduction to Quantitative Analysis for Media and Communications
HKUST Undergraduate SOSC1470 - Political and Economic Development of Modern Japan (Twice)
HKUST Undergraduate SOSC1190 - China and the World (Twice)

Reviewing: Nature's *Humanities and Social Sciences Communications*
74th Annual International Communication Association Conference (ICA 2024), with Divisions:
Communication & Technology, Human-Machine Communication, Visual Communication Studies
10th International Conference for Computational Social Science (IC2S2 2024)

Methods and Skills

Research Methods: Machine Learning, Survey Experiment, Regression, Econometrics, Visual Analytics, Network Modeling

Programming and Softwares: R, Python, Cloud Computing (e.g., Google Vision), Gephi, STATA, LaTeX

Languages: English and Chinese - advanced proficiency for research and teaching