Chuyao (Julian) WANG

LSE Email C.Wang85@lse.ac.uk | Personal Email 18217712639@163.com | Website wangchuyao.com

EDUCATION

London School of Economics and Political Science (LSE)

Doctor of Philosophy in Social Research Methods (Social Data Science)   Sept. 2022 - July 2026

Supervisors: Prof. Patrick Sturgis (Survey Expert), Dr. Blake Miller (Computational Social Scientist)

Award: LSE Ph.D. Studentship £170,000

Hong Kong University of Science and Technology (HKUST)

Master of Philosophy in Social Science (Social Statistics), GPA 3.74 / 4.3 (Top 3)   Sept. 2020 - June 2022

Supervisor: Dr. Han Zhang (Computational Social Scientist)

Award: Postgraduate Studentship HK$430,000

Training: Computational Social Science, Python and R Programming, Econometrics, Research Design

Master of Science in Global China Studies, GPA 3.96 / 4.3 (Top 3)   Sept. 2019 - June 2020

Training: Statistical Inference, Comparative Politics, Social Stratification, Social Protest

Shandong University (SDU)

Bachelor of Art in History, GPA 88.2 / 100   Sept. 2016 - June 2020

Exchanges: UCLA (GPA 4.00 / 4), HKU (GPA 3.70 / 4.3), ECNU (GPA 3.75 / 4)

Training: Research Methods, Introductory Statistics, Literature Digest, Economic History

WORKING PAPERS

Will Ideological Hostility Intensify with Public Crisis? Evidence from 400,000 News Images   Under Revision

- Prospective first author supervised by Prof. H. Zhang; studied media ideological hostility under COVID-19

- Framed questions, analyzed 400,000 images with deep learning, and conducted regression analyses

- Found that ideological hostility in visual depiction did exist but could be mitigated with the COVID-19 severity

- Presented at the 4th Summer Institute in Computational Social Science initiated by Princeton University

A Review of Research on Civic Technology: Definitions, Theories, History and Insights   Submitted

- Prospective co-author with Prof. W. Zhang, Prof. S. Perrault, and G. Lim; evaluated social implications of ICT

- Devised standardized evaluation protocols, conducted content analysis and topic modeling

- Revised the co-authored paper and submitted it to *ACM Computing Surveys* (IF: 7.990)

How Computer-Mediated Communication Improves Mental Health: A Systematic Review   Under Revision

- Prospective co-first author with T. Cheung; formed reproducible procedure to structure a research guide

- Implemented the PRISMA and quality assessment, submitting to *Social Science & Medicine* (IF: 4.634)

Can Political Idolization Mobilize and Radicalize Online Nationalistic Expedition?   In Progress

- Prospective first author; framed questions, applied regression and sentiment analysis on 40,000 tweets

- Found that hegemonic discourses more strongly predict mobilization and radicalization than idolization ones

You Are What You Follow: Social Selection in Political Communities on Bilibili   In Progress

- Prospective co-first author with H. Liang; framed questions, modeled the communities among 110,000 users

- Found that nationalists tend to idolize the country, while the communists are more coherent but isolated

CONFERENCE PRESENTATIONS

Presenter, 19th Chinese Internet Research Conference, Hong Kong   May 2022

- Presented my working paper with Dr. Weiyu ZHANG "Cross-platform Practices of Netreds"

Participant, 4th Summer Institute in Computational Social Science (SICSS), Princeton U   June 2021

- Selected as one of 3 pre-Ph.D. attendees amid 600+ scholars globally (acceptance rate < 20%)
- Presented my working paper "0.4 Million Images Shows that Ideological Hostility Can Be Eased in Crisis"
- Presented my research project "Will Multimodal Misinformation on COVID-19 Stimulate Political Polarization?"

Presenter, 7th International Symposium on Quantitative History, HKU & Tsinghua U & Renmin U   July 2019

- Presented my working paper "Fiscal Mobilization in Modern China: A Quantitative Estimation"
- Found that the Communists' superior communication with local communities led to its war success

Presenter, 12th Community Conference of Politics and International Studies, Tsinghua U   July 2019

- Selected as one of few undergraduates among 800+ community members for round-table discussions
- Presented my working paper "State Capacity and Regime Competition: Evidence from Chinese Civil War"

RESEARCH EXPERIENCES

Research Assistant, Dept. of Communication, UC Davis (with Stanford U)   Nov. 2021 - May 2022

- Researching multimodal misinformation and conspiracy theories during COVID-19
- Devising and optimizing automated methods to address multimodal data

Research Intern, CivicTech Lab, Dept. of Communications and New Media, NUS   Aug. 2021 - March 2022

- Conducting content analysis in a coauthored paper on civic technology submitted to *ACM Computing Surveys*
- Exploring research questions, collecting data using automated methods, and assisting research design

Project Leader and **Principal Investigator, SICSS**   June 2021 - Now

- Leading the collaborative project *Will Multimodal Politicization of COVID-19 Stimulate Political Polarization?*
- Devising questions, conducting visual sentiment analysis, and revising the draft with feedback
- Received SICSS Research Grant by Social Science Research Council (SSRC) as the Principal Investigator

Research Intern, Dept. of Global CBP, ByteDance Ltd.   May 2020 - Sept. 2020

- Led an intern group and coordinate with digital tools, effectively engaged in cross-cultural collaboration
- Devised standardized questionnaire with Radford / Levels, undertook consultancy programs on compensation
- Implement Menta to clear data, analyze data with functions, and visualize data-driven insights

Intern Analyst, National High-Tech Industry Innovation Center   Feb. 2020 - May 2020

- Conducted Digital Economy research to be accommodated in 14th Guangdong Provincial Five-Year-Plan
- Collected data from Wind, databases, and state agencies, presented critical insights with Microsoft Suite
- Interviewed 20+ experts, officials, and scholars, formed analytical reports reviewed by major city administrators

Research Assistant, Division of Social Science, HKUST   Nov. 2019 - April 2020

- Assisted literature review and evidence evaluation in project *Community and Capitalist Governance in Japan*
- Found that communities served as grass-root institutions conducive to socio-economic development

MISCELLANEOUS

Research Methods: Machine Learning, Regression, Econometrics, Network Analysis, Content Analysis

Programming Skills: R, Python, Cloud Computing (e.g., Google Vision), STATA, SPSS, Microsoft Office Suite

Honors: LSE – Ph.D. Studentship £170,000; HKUST - Postgraduate Studentship HK$430,000, Dean's Award;

SDU - Distinction for Dissertation, University Scholarship for Overseas Study (UCLA)

Social Science Research Council - SICSS Research Grant

Language: English (Advanced, IELTS 8.0), Chinese (Native)

Teaching: MY464 - Introduction to Quantitative Analysis (LSE Graduate Course)

SOSC1470 - Political and Economic Development of Modern Japan (HKUST Undergraduate Course)

SOSC1190 - China and the World (HKUST Undergraduate Course)

Memberships: Student Member of National Communication Association; Graduate Student Member of IEEE

Hobbies: Hiking; Socially significant music; Optimizing the socioeconomic parameters in a strategy simulator