Ryan Yang Wang

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EDUCATION

Pennsylvania State University   August 2018 – Spring 2023(expected)
Donald P. Bellisario College of Communications   ◉ State College, PA
Ph.D. • Major: Mass Communications & Minor: Social Data Analytics

University of Texas at Austin   August 2015 – August 2017
Moody College of Communication   ◉ Austin, TX
Master of Arts • Media Studies

Sun Yat-sen University   September 2010 – June 2015
School of International Relations   ◉ Guangzhou, China
Bacholor of Laws • Major: International Relations & Minor: Journalism

University of California, Los Angeles   August 2013 – Janaury 2014
Visiting scholar of W.T. Chan Fellowship Program   ◉ Los Angeles, CA

National Cheng-chi University   September 2012 – January 2013
College of International Affairs   ◉ Taipei, Taiwan
Exchanged program • Diplomacy

EXTRACURRICULAR TRAINING

Behave Summer School (European Social Simulation Association)   August 2022
Topics: Agent-based modeling   ◉ Brescia, Italy

Summer Institute of Computational Social Sciences - Rutgers   June 2021
Topics: Text analysis, Network analysis, Machine learning   ⌨ Virtual

Social ComQuant Summer School   July 2021
Topics: Geospatial analysis, Digital trace data, Epidemic modeling   ⌨ Virtual

RESEARCH INTERESTS & TECHNICAL SKILLS

- Substantive: Digital inequality, Internet infrastructure, Political communication, Computational Social Science
- Languages/Softwares: R, Python, LaTeX, Git, STATA, SPSS, ArcGIS Pro, QGIS, NetLogo
- Methods: Spatial econometrics, Network analysis, Natural language processing, Machine learning, Agent-based modeling, Survey research

GRANTS

Graduate Research Grant ($2,000)   May 2022
The Arthur W. Page Center for Integrity in Public Communication
PI: Ryan Wang
Title: Fake personalities, real impacts: Virtual influencers as new social media persona

News literacy summer grant ($4,000)   April 2022
News Literacy Initiatives, Pennsylvania State University
Co-PI: Ryan Wang
Title: Incorporating Algorithm Literacy and Digital Literacy into News Literacy Metrics: An investigation of a diversified Pennsylvania sample

C-SoDA Accelerator Doctoral Award ($5,000)   Janaury 2022
The Center for Social Data Analytics
PI: Ryan Wang
Title: Big Data as a window into psychological traits: Investigating the link between risk perception, psychological traits and mitigating behavior

SICSS Research Grant ($2,500)   November 2021
Social Science Research Council
PI: Ryan Wang
Title: The Political Landscape of TikTok: an examination of the U.S. Presidential Election in 2020

Graduate Research Grant ($1,900)   May 2021
The Arthur W. Page Center for Integrity in Public Communication
PI: Ryan Wang
Title: Targeting and Tailoring: investigating the effects of trait-congruent personalized health campaign on social media

Awards

Doctoral fellow   Fall 2019 – Present
Institute of Information Policy, Pennsylvania State University

Graham Endowed Fellowship (University Gradaute Fellowship)   Fall 2018 – Spring 2019
Pennsylvania State University

University Scholarships (three times)   September 2011 – June 2014
Sun Yat-sen University

Peer-review Papers

5. Bai, Y., **Wang, R. Y.**, & Jayakar, K. (2022). What $2.5 billion can buy: An evaluation of the Broadband Initiatives Program. *Telecommunication Policy*, *46*(7). https://doi.org/10.1016/j.telpol.2022.102404

4. Bai, Y., **Wang, R. Y.**, Peng, R. X., & Jayakar, K. (2022). Drivers of small merger and acquisition activities: A quantitative investigation of the telecommunications industry. *International Journal on Media Management*, *24*(1), 27-44. https://doi.org/10.1080/14241277.2022.2055034

3. Min, B., Bai, Y., **Wang, R. Y.**, Grzeslo, J., & Jayakar, K. (2022). Voting in local and national elections: the role of local and national news consumption and news media preference. *Atlantic Journal of Communication*, *30*(2), 159-171. https://doi.org/10.1080/15456870.2020.1856108

2. Min, B., **Wang, R. Y.**, Bai, Y., Grzeslo, J., & Jayakar, K. (2021). Impact of Free Trade Agreements on Internet domain names arbitration cases: a cross-national comparison of the Uniform Dispute Resolution Policy. *Policy & Internet*, *13*(3), 400-414. https://doi.org/10.1002/poi3.252

1. Grzeslo, J., Bai, Y., **Wang, R. Y.**, Min, B., & Jayakar, K. (2019). From headline to lifeline: does news set agenda for policy? *Digital Policy, Regulation and Governance*, *21*(4), 352-368. https://doi.org/10.1108/DPRG-02-2019-0012

Work in progress

5. Peng, R. X. & **Wang, R. Y.** (2021). Understanding information needs during COVID-19: A comparison study between an online health community and a Q&A platform. *(Revise & Resubmit on Health Informatics Journal)*

4. Peng, R. X.,**Wang, R. Y.**, & Gong, Z. (2021). In technology we trust? A moderated mediation analysis of adoption intention toward e-health services. *(Under review)*

3. Peng, R. X. & **Wang, R. Y.** (2021) The Infinity Vaccine War:linguistic regularities and audience engagement of vaccine debate on Twitter. *(Under review)*

2. **Wang, R. Y.**, Bai, Y., Min, B., Grzeslo, J., & Jayakar, K. (2020). Transnational capital and national legal regimes: analysis of Internet domain name disputes in India. (*Revise & Resubmit on the Journal of World Intellectual Property*)

1. Bai, Y., Grzeslo, J., **Wang, R. Y.**, Min, B., & Jayakar, K. (2019). Does accessible design benefit e-government users without disabilities? Examining the relationship between website usability and accessibility. (*Revise & Resubmit on Disability Studies Quarterly*)

Conference papers

24. **Wang, R. Y.** (2022). Translation as anti-propaganda weapon? A first exploratory analysis of #TheGreatTranslationMovement on Twitter. *5th Annual Conference of Politics and Computational Social Science (PaCSS 2022, Boston, MA)*

23. **Wang, R. Y.** (2022). The spatiality of connectivity: a spatial analysis of public Wi-Fi locations in New York City. *Research Conference on Communications, Information and Internet Policy (TPRC 50, Washington D.C.)*

22. **Wang, R. Y.** & Jayakar, K. (2022). Learning from the neighbors: The diffusion of state broadband policies in United States (1991-2021). *Research Conference on Communications, Information and Internet Policy (TPRC 50, Washington D.C.)*

21. **Wang, R. Y.** & Peng, R. X. (2022). The Trump effect on 'Chinese virus': did Trump fuel the toxicity in the Twitterverse?. *International Communication Association Conference (ICA, Paris, France)*

20. Forde, S., **Wang, R. Y.**, Solis, E. & Jayakar, K. (2022). Predictors of support for public funding of news organizations: Findings from a 23-country cross-national study .*International Communication Association Conference (ICA, Paris, France)*

19. **Wang, R. Y.**, Bai, Y., Grzeslo, J. & Jayakar, K. (2022). Globalization of regulation: diffusing the domain name dispute resolution policy .*International Communication Association Conference (ICA, Paris, France)*

18. **Wang, R. Y.** (2021). Is remote working a privilege? A spatial Durbin approach of digital infrastructure and workplace mobility change during the COVID-19 pandemic in the U.S. *Research Conference on Communications, Information and Internet Policy (TPRC 49, Washington D.C.)*

17. **Wang, R. Y.**, Bai, Y., Grzeslo, J., Peng, R. X. & Jayakar, K. (2021). The diffusion of National Domain Name Dispute Resolution policies: a network approach. *Research Conference on Communications, Information and Internet Policy (TPRC 49, Washington D.C.)*

16. **Wang, R. Y.** & Peng, R. X. (2021). The "Chinese virus" in the polarized Twitterverse: a network analysis of the diffusion. *Networks: A Joint Sunbelt and NetSci Conference (virtual)*

15. Peng, R. X. & **Wang, R. Y.** (2021). Vaxxers' community building: An Exponential Random Graph Modeling approach examining following networks on Twitter. *Networks: A Joint Sunbelt and NetSci Conference (virtual)*

14. Bortree, D., Diddi, P., Vafeiadis, M. & **Wang, R. Y.** (2021). Promoting diversity and inclusion: How Fortune 500 companies talk about diversity on Twitter. *Association for Education in Journalism and Mass Communication Conference (AEJMC, virtual)*

13. Eng, N., **Wang, R. Y.**, Peng, R. X. & Zheng, C.(2021). Promoting COVID-19 Social Distancing on Social Media: The Persuasive Role of Threat and Controlling Language Representation. *Association for Education in Journalism and Mass Communication Conference (AEJMC, virtual)*

12. Peng, R. X. & **Wang, R. Y.** (2021). Pro-vaxxers versus Anti-vaxxers: linguistic regularities and engagement rate of vaccine debate on Twitter. *International Communication Association Conference (ICA, virtual)*. Top poster award in the Health Communication Division.

11. Bai, Y., **Wang, R. Y.**, & Jayakar, K. (2020). What $2.5 billion can buy: An evaluation of the Broadband Initiatives Program. *Research Conference on Communications, Information and Internet Policy (TPRC 48, Washington D.C.)*

10. Peng, R. X. & **Wang, R. Y.** (2020). The Chinese cultural tastes captured by pastoral-life vlogger: A case of Li Ziqi's YouTube video. *National Communication Association Conference (NCA, virtual)*

9. Bai, Y., **Wang, R. Y.**, Peng. R. X., & Jayakar, K. (2020). Drivers of Merger and Acquisition Activity: A Quantitative Investigation of the Telecommunications Industry. *Association for Education in Journalism and Mass Communication Conference (AEJMC, virtual)*. The Second Place Faculty Paper award in the Media Management, Economics and Entrepreneurship Division.

8. Tan, R, Liao, M, & **Wang, R. Y.** (2020). Friendly mistakes: Investigating the relationship between AI error, social cues, and trust in gameplay. *Association for Education in Journalism and Mass Communication Conference (AEJMC, virtual)*

7. **Wang, R. Y.**, Bai, Y., Min, B., Grzeslo, J., & Jayakar, K. (2019). Transnational capital and national legal regimes: analysis of Internet domain name disputes in India. *International Association for Media and Communication Research Conference (IAMCR, Madrid, Spain)*

6. Min, B., **Wang, R. Y.**, Bai, Y., Grzeslo, J., & Jayakar, K. (2019). Impact of Free Trade Agreements on Internet domain arbitration cases: a cross-national comparison of the Uniform Domain Resolution Policy. *Research Conference on Communications, Information and Internet Policy (TPRC 47, Washington D.C.)*

5. Bai, Y., Grzeslo, J., **Wang, R. Y.**, Min, B., & Jayakar, K. (2019). Does accessible design benefit general users of e-government? - Examining the relationship between website usability and accessibility. *Research Conference on Communications, Information and Internet Policy (TPRC 47, Washington D.C.)*

4. Choi, J. R., Straubhaar, J. Skouras, M. Park, S., Santillana, M., Mora, A., Strover, S., Du, C., & **Wang, R. Y.** (2019). Media literacy, techno-capital, and the main sets of information technology capabilities among Adults in Austin. *International Communication Association Conference (ICA, Washington D.C.)*

3. Grzeslo, J., Bai, Y., **Wang, R. Y.**, Min, B., Jayakar, K. (2019). From headline to Lifeline: Does news set agenda for policy? *International Communication Association Conference (ICA, Washington D.C.)*

2. Min, B., Bai, Y., **Wang, R. Y.**, Grzeslo, J., & Jayakar, K. (2019). Can online news consumption predict election participation? - a path analysis of predictors of local and national voting. *Association for Education in Journalism and Mass Communication Conference (AEJMC, Toronto, Canada)*

1. **Wang, R. Y.** (2017). Breaking the Bamboo Ceiling for Asian Americans in Hollywood? - a case study of #StarringJohnCho Twitter movement. *National Communication Association Conference (NCA, Dallas, TX)*

Research Experience

Research assistant (supervised by Dr. Krishna Jayakar) May 2021 - August 2021
Donald P. Bellisario College of Communications, Penn State University 📍 State College, PA

- Data collection, data analysis and manuscript drafting for Project *The diffusion of National Domain Name Dispute Resolution Policies: A Network Approach*

Summer fellow (supervised by Dr. Christopher Ali & Dr. Victor Pickard) June 2019 – August 2019
Consortium of Media Policy Studies(COMPASS) 📍 Washington D.C

- Summer fellow at National Digital Inclusion Alliance
- Participated in weekly seminar at Public Knowledge in Washington D.C.

Research assistant (supervised by Dr. Joseph Straubhaar & Dr. Sharon Strover) September 2017 – May 2018
Technology and Information Policy Instittute 📍 Austin, TX

- Survey design and distribution, data collection and analysis for the project of *Digital Capabilities in Austin Survey 2017*, collaborated with the Office of Telecommunications and Regulatory Affairs of City of Austin

Research assistant (supervised by Dr. Sharon Strover) March 2016 – September 2016
Technology and Information Policy Instittute 📍 Austin, TX

- *New York Library Hotspot Lending Program*: helped with conducting focus group/interviews in libraries located at New York City, preparing the protocols and online survey, transcribing and translation for the focus groups/interviews, running data analysis on the sample of Hispanic and Chinese community
- *At the Edges of the National Digital Platform-Rural Library Hotspot Lending Programs Research Project*: helped with interviews of the hotspot program in 18 libraries in Kansas and 6 in Maine, preparing protocols and community summaries

Research assistant (supervised by Dr. Karin Wilkins) October 2015 – December 2016
Moody College of Communication, University of Texas at Austin 📍 Austin, TX

- Helped with preparing documents and organizing meetings of *Communication and Leadership* program proposal for Moody College of Communications
- Helped with preparing the Moody College Reception on 66th International Communication Association Annual Conference in Fukuoka, Japan
- Data collecting for research project of *TV News exposes on Middle East images*

Research assistant (supervised by Dr. Xiangyi Li) July 2014 – May 2015
Guangzhou Academy of Social Sciences 📍 Guangzhou, Guangdong

- Survey design and conduction on returned Chinese refugees in oversea Chinese farms of Guangzhou about residents' community integration and public participation

Research assistant (supervised by Rick Eaton) August 2013 – January 2014
Simon Wiesenthal Center 📍 Los Angeles, CA

- Collected the cases of Anti-Semitism on various social media platforms for the database of Digital Terrorism and Hate Project
- Collected and translated the Anti-China and Anti-Japan online hate speech related to the issues of Diaoyu/Senkaku Islands and Southern China Sea

Teaching Experience

Course instructor *Media and the Public (COMM 413W)* Spring 2022
Pennsylvania State University 📍 State College, PA

- Syllabus development and slides preparation
- Group activities design
- Assignment grading

Course instructor *Digital Media Metrics (World Campus)* Fall 2021
Pennsylvania State University 📍 State College, PA

- Syllabus development and slides preparation
- Lab activities design and tutorial demonstration
- Grading

Lab instructor *Digital Media Metrics (COMM 310)* Fall 2020 & Spring 2021
Pennsylvania State University State College, PA
- Syllabus building with the course instructor Dr. Krishna Jayakar
- Lab activities design and tutorial demonstration
- Grading

Teaching assistant *Civil Society and Public Good* Spring 2013
Sun Yat-sen University Guangzhou, China
- Syllabus development with the course instructor Dr. Jiangang Zhu
- Assignments evaluation and service-learning activities organization

Work Experience

Managing editor August 2019 – September 2020
Journal of Information Policy State College, PA
- Administrative work of running the journal(including special issues), coordinating with co-editors
- Technical check, reviewer assignment and final disposition setting for incoming manuscripts
- Promotion on social media

Communication and project coordinator May 2017 – May 2018
Lingnan Foundation Costa Mesa, CA
- Conducted the W. T. Chan Fellowship Program 16 years review, in charge of survey and interview protocols designing, data collection and analysis, report compiling
- Helped with the daily administrative work and historical archives
- Managed website, social media accounts, promotion flyers and other documents

Intern August 2013 – Janaury 2014
Museum of Tolerance Los Angeles, CA
- Provided guide tour to more than 1,000 visitors throughout the Museum and served as station assistant in exhibitions
- Served as the teaching assistant in *STEP* Program for students under 12 years old and introduced the history of Holocaust to kids from more than 10 schools
- Promoted upcoming events and gather feedbacks from Twitter and Facebook, which increased around 600 followers for the museum

Guest lectures

Big data analytics Spring 2022
COMM420 Research in Ad/PR, Pennsylvania State University State College, PA

An overview of computational communication research Spring 2022
COMM 707 Quantitaitve Research Method in Communication, North Dakoda State University Fargo, ND

Professional Services

Convener Spring 2022
Institute of Information Policy research group State College, PA

Panelist March 2019
Research on Marginalized Population State College, PA

Communication committee member October 2015 – September 2016
Flow Conference Austin, TX

Region coordinator June 2014 – July 2015
W.T. Chan Fellowship Program Alumni Association Guangzhou, China

Coordinator September 2013 – September 2014
Cross-strait Exploration Project Hong Kong & Taipei, Taiwan