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

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

- **Computational Social Science**

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

  7. **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)*

  6. **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)*

  5. 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)*

4. 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)*

3. 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.

2. 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)*

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)*

- **Internet access**

  9. **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.)*

  8. **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.)*

  7. **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)*

  6. **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.)*

  5. 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.)*

  4. **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)*

  3. 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.)*

  2. 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.)*

  1. 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.)*

- **Media economics**

  2. 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)*

  1. 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.

- **News consumption and media effects**

  4. 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)*

  3. 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)*

2. 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.)*

1. 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)*

RESEARCH EXPERIENCE

Research assistant (supervised by Dr. Krishna Jayakar) Summer 2021 & Summer 2022
Donald P. Bellisario College of Communications, Penn State University ♥ State College, PA

- Data collection, data analysis and manuscript drafting for Project *Learning from the neighbors: The diffusion of state broadband policies in United States (1991-2021)*
- 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
- Data collecting for research project of *TV News exposes on Middle East images*

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

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

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

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

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