

RYAN YANG WANG

☎ +1-512-964-8593 • ✉ ryanwang@psu.edu • 🌐 ryanyangwang.github.io

EDUCATION

Pennsylvania State University Donald P. Bellisario College of Communications <i>Ph.D. • Major: Mass Communications & Minor: Social Data Analytics</i>	August 2018 – Spring 2023(expected) 📍 State College, PA
University of Texas at Austin Moody College of Communication <i>Master of Arts • Media Studies</i>	August 2015 – August 2017 📍 Austin, TX
Sun Yat-sen University School of International Relations <i>Bachelor of Laws • Major: International Relations & Minor: Journalism</i>	September 2010 – June 2015 📍 Guangzhou, China
University of California, Los Angeles <i>Visiting scholar of W.T. Chan Fellowship Program</i>	August 2013 – January 2014 📍 Los Angeles, CA
National Cheng-chi University College of International Affairs <i>Exchanged program • Diplomacy</i>	September 2012 – January 2013 📍 Taipei, Taiwan

EXTRACURRICULAR TRAINING

Behave Summer School (European Social Simulation Association) Topics: Agent-based modeling	August 2022 📍 Brescia, Italy
Summer Institute of Computational Social Sciences - Rutgers Topics: Text analysis, Network analysis, Machine learning	June 2021 🖥 Virtual
Social ComQuant Summer School Topics: Geospatial analysis, Digital trace data, Epidemic modeling	July 2021 🖥 Virtual

RESEARCH INTERESTS & TECHNICAL SKILLS

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

GRANTS

Graduate Research Grant (PI: \$2,000) <i>The Arthur W. Page Center for Integrity in Public Communication</i> Title: Fake personalities, real impacts: Virtual influencers as new social media persona	May 2022
News literacy summer grant (Co-PI: \$4,000) <i>News Literacy Initiatives, Pennsylvania State University</i> Title: Incorporating Algorithm Literacy and Digital Literacy into News Literacy Metrics: An investigation of a diversified Pennsylvania sample	April 2022
C-SoDA Accelerator Doctoral Award (PI: \$5,000) <i>The Center for Social Data Analytics</i> Title: Big Data as a window into psychological traits: Investigating the link between risk perception, psychological traits and mitigating behavior	January 2022
SICSS Research Grant (PI: \$2,500) <i>Social Science Research Council</i> Title: The Political Landscape of TikTok: an examination of the U.S. Presidential Election in 2020	November 2021
Graduate Research Grant (PI: \$1,900) <i>The Arthur W. Page Center for Integrity in Public Communication</i> Title: Targeting and Tailoring: investigating the effects of trait-congruent personalized health campaign on social media	May 2021

AWARDS

Doctoral fellow <i>Institute of Information Policy, Pennsylvania State University</i>	Fall 2019 – Present
Summer fellow <i>Consortium of Media Policy Studies (COMPASS); National Digital Inclusion Alliance</i>	Summer 2019
Graham Endowed Fellowship (University Graduate Fellowship) <i>Pennsylvania State University</i>	Fall 2018 – Spring 2019
University Scholarships (three times) <i>Sun Yat-sen University</i>	September 2011 – June 2014

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

9. **Wang, R. Y.** & Peng, R. X. (2022). "Tell China's Story Well" on YouTube: How do pro-Beijing influencers (re)shape China's global narratives (poster). *The New Directions in Analyzing Text as Data (TADA 2022, New York, NY)*
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)*
- **Digital infrastructure**
 9. **Wang, R. Y.** (2022). The spatial inequality 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 Jeff Knapp and Andrew Dudash) August 2022 – May 2023
Penn State University Libraries 📍 State College, PA

- Streamline the workflow of the LexisNexis Web Service API
- Deliver presentations on advanced data and analytical resources to faculty and students at Penn State University

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*

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

- Management and organization of *Communication and Leadership* bachelor degree program proposal for Moody College of Communications
- Survey design and data collection 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

- Data collection of the cases of Anti-Semitism on social media platforms for the *Digital Terrorism and Hate Project*
- Data collection of anti-China and anti-Japan online hate speech related to the issues of Diaoyu/Senkaku Islands and South China Sea

TEACHING EXPERIENCE

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

- Statistical consultant (part-time)** August 2022 – May 2023
Data Learning Center, Penn State University Libraries 📍 State College, PA
- Statistical consultation for faculty, students and post-doctoral scholars at Penn State University
- 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 Quantitative Research Method in Communication, North Dakota 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