

# RYAN YANG WANG

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## EDUCATION

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

## EXTRACURRICULAR TRAINING

<b>Behave Summer School (European Social Simulation Association)</b> Topics: Agent-based modeling	August 2022 📍 Brescia, Italy
<b>Summer Institute of Computational Social Sciences - Rutgers</b> Topics: Text analysis, Network analysis, Machine learning	June 2021 🖥 Virtual
<b>Social ComQuant Summer School</b> 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<sup>A</sup>T<sub>E</sub>X, Git, NetLogo, STATA, SPSS, ArcGIS Pro, QGIS

## GRANTS

<b>Graduate Research Grant (PI: \$2,000)</b> <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
<b>News literacy summer grant (Co-PI: \$4,000)</b> <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
<b>C-SoDA Accelerator Doctoral Award (PI: \$5,000)</b> <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
<b>SICSS Research Grant (PI: \$2,500)</b> <i>Social Science Research Council</i> Title: The Political Landscape of TikTok: an examination of the U.S. Presidential Election in 2020	November 2021
<b>Graduate Research Grant (PI: \$1,900)</b> <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

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<b>Doctoral fellow</b> <i>Institute of Information Policy, Pennsylvania State University</i>	Fall 2019 – Present
<b>Graham Endowed Fellowship (University Gradaute Fellowship)</b> <i>Pennsylvania State University</i>	Fall 2018 – Spring 2019
<b>University Scholarships (three times)</b> <i>Sun Yat-sen University</i>	September 2011 – June 2014

## PEER-REVIEW PAPERS

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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

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6. **Wang, R. Y.** (2022). 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. (*Under review*)
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

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### • 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 Twittersverse?. *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 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

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**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 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

- 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

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- 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

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- Statistical consultant** August 2022 – May 2023  
*Data Learning Center* 📍 State College, PA
- Statistical consultation for faculties, 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

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- 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

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- 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