

# Hong Qu

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## **EDUCATION**

**PhD candidate, Network Science, Northeastern University, expected 2026**

Concentrations: Political Communications and Network Science

**MS, Information Science, UC Berkeley, 2005**

Concentrations: Human Computer Interaction and NLP

**BA, Economics and East Asian Studies, Wesleyan University, 1999**

## **TEACHING EXPERIENCE**

**Adjunct Lecturer, Harvard Kennedy School, 2019-present**

Data and Information Visualization course

Advanced Data and Information Visualization course

## **RESEARCH EXPERIENCE**

**Graduate Student Researcher, Lazer Lab, Northeastern University, 2020-present**

Grad student researcher for [CHIP50](#) survey on political communications

Conduct data analysis of Twitter and surveys data to monitor public opinion and [trust in institutions](#) and [social media usage](#)

## **INDUSTRY EXPERIENCE**

**UX Designer and Researcher, YouTube, 2006-2010**

Designed the user experience for YouTube during its first 4 years

**VP of Product, Upworthy, 2011-2012**

Devised viral political campaigns using real time analytics and A/B testing experiments

## **PUBLICATIONS**

Druckman, J. N., Schulman, J., Safarpour, A. C., Baum, M., Ognyanova, K., Kenny, M., Trujillo, K. L., Quintana, A., Qu, H., Uslu, A., Perlis, R., & Lazer, D. (2024). Continuity and Change in Trust in Scientists in the United States: Demographic Stability and Partisan Polarization. SSRN. <https://doi.org/10.2139/ssrn.4929030>

Druckman, J. N., Ognyanova, K., Safarpour, A. C., Schulman, J., Trujillo, K. L., Uslu, A., Green, J., Baum, M., Quintana, A., Qu, H., Perlis, R., & Lazer, D. (2024). Representation in Science and Trust in Scientists in the United States. SSRN. <https://doi.org/10.2139/ssrn.4928665>

Qu, Hong. "THE ENDS OF ARTIFICIAL INTELLIGENCE." In *The Ends of Knowledge: Outcomes and Endpoints Across the Arts and Sciences*, edited by Seth Rudy and Rachael Scarborough King, 139–150. London, Bloomsbury Academic, 2023.

Hong Qu, Andrea La Pietra, Sarah S. Poon: Automated Blog Classification: Challenges and Pitfalls. *AAAI Spring Symposium: Computational Approaches to Analyzing Weblogs 2006*: 184-186.

Shane Ahern, Simon King, Hong Qu, and Marc Davis. 2005. PhotoRouter: destination-centric mobile media messaging. In *Proceedings of the 13th annual ACM international conference on Multimedia (MULTIMEDIA '05)*. Association for Computing Machinery, New York, NY, USA, 209–210.

### **PRESENTATIONS**

"Where Do Election Deniers Get Their News?" (2024)

Trust and Safety Research Conference

"Modeling Polarization Dynamics in U.S. Senate Bill Cosponsorship Networks" (2024)

Conference on Computational Physics

"Network Analysis to Discover Emerging Influencers & Superspreaders" (2024)

TrustCon Conference

"Platform Jumping: Network Analysis of How Political Memes Seeded on Reddit Diffuse to Twitter" (2022)

Global Fact 9 Conference

"Modeling Misinformation Discourse and Influence on Social Media using Agent-Based Modeling" (2022)

Contagion on Complex Social Systems 2022

"Collecting, Analyzing, and Visualization Conversation Networks Using NetworkX and Flourish," (2022)

8th International Conference on Computational Social Science

"Using Networks Analysis and Visualization to Explain COVID-19 Spread through the Physical, Social, and Information Graphs" (2022)

2022 C+J Conference at Columbia Journalism School

"Tools for Combating Bias in Datasets and Models" (2021)

Stanford University

"An Ethical Approach to AI & Governance" (2020)

Belfer Policy Chat, Harvard Kennedy School

"AI Blindspot: A Call for Tech to Think Holistically and Spot Risks" (2019)

Oxford Internet Institute

"Keepr: Algorithm for Extracting Entities, Eyewitnesses and Amplifiers" (2013)

Comparative Media Studies, MIT

## **PATENTS**

Y Pan, C Wajda, H Qu, M Dunton. (2014). *Collaborative streaming of video content* (U.S. Patent [No. 8,700,714](#)). U.S. Patent and Trademark Office.

S Chen, M Powers, H Qu, Y Pan. (2014). *Real-time video commenting* (U.S. Patent No. [8,819,719](#)). U.S. Patent and Trademark Office.

## **FELLOWSHIPS**

Network Affiliate Fellow (Institute for Human-Centered AI, 2021- present)

Research Associate (Malcolm Wiener Center at HKS, 2021-present)

Race and Technology Fellow (Stanford University, 2020-2021)

Assembly Project Fellow (Berkman Klein Center, 2018-2021)

Visiting Nieman Fellow (Nieman Foundation, 2012)

## **PROFESSIONAL MEMBERSHIPS**

American Political Science Association

Association for Computing Machinery

Asian American Journalists Association

## **RELEVANT SKILLS**

Network analysis software: NetworkX, Gephi, Python, Agent-based modeling

Data visualization: Tableau, Datawrapper, Flourish Studio, ArcGIS

Web design: HTML, CSS, JavaScript

User interface design: Information architecture, User centered design, social computing