

Hong Qu

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EDUCATION

Ph.D. candidate, Network Science, Northeastern University, expected 2025

Concentrations: Complex Networks Analysis and Visualization

M.S., Information Science, UC Berkeley, 2005

Concentrations: Human Computer Interaction and NLP

B.A, Economics and East Asian Studies, Wesleyan University, 1999

TEACHING EXPERIENCE

Adjunct Lecturer, Harvard Kennedy School, 2019-present

Data and Information Visualization

Advanced Data and Information Visualization

RESEARCH EXPERIENCE

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

Grad student researcher for [The COVID States Project](#) by the COVID-19 Consortium for Understanding the Public's Policy Preferences Across States.

Conduct data collection and analysis of Twitter and surveys panel data to uncover public opinion and public health trends and insights.

INDUSTRY EXPERIENCE

UX Designer and Researcher, YouTube, 2006-2010

Built YouTube during its first 4 years.

PUBLICATIONS

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

“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 Combatting 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

“Kepr: 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

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

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

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

Assembly Project Fellow (Harvard University, 2018-2021)

Visiting Nieman Fellow (Nieman Foundation, 2012)

PROFESSIONAL MEMBERSHIPS

Association for Computing Machinery

Asian American Journalists Association

RELEVANT SKILLS

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

Data visualization: Tableau, Datawrapper, Flourish, ArcGIS, Matplotlib

Web design: HTML, CSS, JavaScript

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