



## Wanheng Hu

Postdoctoral Scholar, Philosophy

### Bio

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#### BIO

Wanheng Hu is a scholar of Science and Technology Studies (STS) whose research examines the epistemic, ethical, and regulatory dimensions of artificial intelligence, with a particular focus on machine learning in medicine. His current book project, *Reassembling Expertise: Credible Knowledge and Machine Learning in Medical Imaging*, is an ethnographic study of the Chinese medical AI industry. Drawing on multi-sited fieldwork, the project analyzes how, and in what sense, human medical expertise is translated into AI systems and how the credibility of these systems is negotiated across industrial, clinical, and regulatory settings. His broader scholarship engages the social studies of science, medicine, and technology; the sociology of expertise; critical data and algorithm studies; media studies; and public engagement with science.

Wanheng is currently an Embedded Ethics Fellow at Stanford University's McCoy Family Center for Ethics in Society, in partnership with the Institute for Human-Centered Artificial Intelligence (HAI) and the Department of Computer Science. He is also an affiliate of the Data & Society Research Institute, a member of the Schwartz Reisman Institute's AI & Trust Working Group at the University of Toronto, and a member of Cornell University's Artificial Intelligence, Policy, and Practice (AIPP) initiative. He was previously a Fellow at Harvard Kennedy School's Program on Science, Technology and Society (2022–23). He holds a Ph.D. in STS with a minor in Media Studies from Cornell University. His research has been supported by the U.S. National Science Foundation, the China Times Cultural Foundation, and Cornell's Hu Shih Fellowship, among other sources, and has appeared in venues including *Public Understanding of Science* and *The Oxford Handbook of the Sociology of Machine Learning*.

#### PROFESSIONAL EDUCATION

- Ph.D., Cornell University , Science and Technology Studies (Minor: Media Studies) (2024)
- M.Phil., Peking University , Philosophy of Science and Technology (2017)
- B.L., Peking University , Sociology (2014)
- B.Sc., Peking University , Biomedical English (2014)

### Teaching

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#### COURSES

##### 2024-25

- How Do Machines Become (Im)Moral? Rethinking the Ethics of Artificial Intelligence: STS 103 (Sum)

## Publications

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### PUBLICATIONS

- **Machine Learning in Medical Systems: Toward a Sociological Agenda** *The Oxford Handbook of the Sociology of Machine Learning*  
Hu, W.  
Oxford University Press.2025; Print: 483–508
- **Imagining the model citizen: A comparison between public understanding of science, public engagement in science, and citizen science** *PUBLIC UNDERSTANDING OF SCIENCE*  
Hu, W.  
2024; 33 (6): 709-724
- **Enrolling Citizens: A Primer on Archetypes of Democratic Engagement with AI**  
Hu, W., Singh, R.  
Data & Society Research Institute. NY: New York.  
2024 15
- **Thinking Machine Intelligence through Human Actions: An Interview with Anthropologist Lucy Suchman [##### — ##### #]** *Journal of Intelligent Society*  
Suchman, L., Hu, W.  
2024; 3 (1): 198-215
- **Beyond Technonationalism: Biomedical Innovation and Entrepreneurship in Asia (Book Review)** *JOURNAL OF DEVELOPMENT STUDIES*  
Book Review Authored by: Hu, W.  
2023; 59 (6): 955-957
- **Review of Pelillo, Marcello; Scantamburlo, Teresa. Machines We Trust: Perspectives on Dependable AI**  
Hu, W.  
H-Sci-Med-Tech, H-Net Reviews.  
2022
- **Seeing Like STS: The 3-S Problems of the Co-Production of Science and Social Order [##"STST###"#####"####"####] Tsinghua** *Sociological Review*  
Hu, W.  
2020; 14: 21-45