SOHYEON HWANG

ORCID: 0000-0001-8415-7395

sohyeonhwang.com
sohyeonhwang@u.northwestern.edu
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AFFILIATIONS

Center for Information Technology Policy, Princeton University Nov 2024–Present
Postdoctoral Research Fellow (2024–2026)
PIs: Andrés Monroy-Hernández

Community Data Science Collective, Northwestern University 2019–Present
Alumnus/Affiliate (Present) + PhD Student (2019–2024)
PIs: Aaron Shaw, Benjamin Mako Hill, Jeremy Foote

EDUCATION

Northwestern University, Evanston, IL 2019–2024
MA/PhD in Media, Technology, and Society (funded by **NSF GRFP**, 2020 Award)
Advisor: Aaron Shaw
2021, MA thesis: Parallel evolutions of peer-produced online governance
2024, PhD dissertation: The place of communities in online platform governance
Committee: Aaron Shaw (chair), Darren Gergle, Emőke-Ágnes Horvát

Cornell University, Ithaca, NY 2014–2018
BA in Government and in Information Science
cum laude, with distinction in all subjects

PUBLICATIONS

Peer-reviewed conference proceedings (archival)

Huang, E., Sarma, A., **Hwang**, S., Chandrasekharan, E., & Chancellor, S. 2024. Opportunities, tensions, and challenges in computational approaches to addressing online harassment. In *Proceedings of the 2024 ACM Designing Interactive Systems Conference* (DIS '24). Association for Computing Machinery, New York, NY, USA, 1483–1498. https://doi.org/10.1145/3643834.3661623
Honorable Mention Award

Gaughan, M., Champion, K., & **Hwang**, S. 2024. Engineering formality and software risk in Debian Python packages. SANER 2024 (Short Papers and Posters Track). Rovaniemi, Finland. [doi]

Hwang, S., Kiene C., Ong, S., & Shaw, A. Adopting third-party bots for managing online communities. *Proc. ACM Hum.-Comput. Interact. 5*, CSCW1, Article 216 (April 2024), 25 pages. https://doi.org/10.1145/3653707

Hwang, S., Horvát, E-Á., & Romero, D. 2023. Information retention in multi-platform discussions of science. In *Proceedings of the 17th International AAAI Conference on Web and Social Media* (Vol. 17, pp. 375-386). [doi]

Hwang, S., & Shaw, A. (2022). Rules and rule-making in the five largest Wikipedias. In *Proceedings of the 16th International AAAI Conference on Web and Social Media* (Vol. 16, pp. 347-357). [doi]

Hwang, S. & and Foote, J. 2021. Why do people participate in small online communities? *Proc. ACM Hum.-Comput. Interact. 5*, CSCW2, Article 462 (October 2021), 25 pages. https://doi.org/10.1145/3479606 [recording]
Honorable Mention Award
– mentioned in: The Washington Post

Working papers

Hwang, S., Nanyakkara, P., & Shvartzshnaider, Y. Trust and friction: community governance and privacy on decentralized social media.
Under Review — Major Revision at CSCW 2025

Hwang, S. & Shaw, A. Anticipating disparate impacts of online rules: community interventions in gender bias on English Wikipedia.

Book chapters
Foote, J. & **Hwang**, S. 2023. "Online communities and big data". In T. Reimer, E. Park., & J. Bonito (Eds.), *Group Communication: An Advanced Introduction*. Routledge/Taylor and Francis.

Posters + presentations (juried, non-archival)
Hwang, S., Kiene C., Ong, S., & Shaw, A. 2024. Adopting third-party bots for managing online communities. 74th Annual ICA Conference. June 2024. Gold Coast, Australia.

Hwang, S., Nanyakkara, P., & Shvartzshnaider, Y. 2023. Whose policy? Privacy challenges of decentralized platforms.
  • Oral presentation at PrivaCI Symposium 2023. Toronto, Canada.
  • Oral presentation at CHI 2023 Design Policy Workshop. Hamburg, Germany.

Hwang, S. & Shaw, A. 2023. Variation and overlap in the peer production of community rules. Wiki-Workshop 2023. Virtual.
  • Oral presentation at WikiWorkshop 2023. Virtual.
  • Oral presentation at MPSA Annual Meeting 2023. Chicago, IL.

Hwang, S., Horvát, E-Á., and Romero, D. 2022, multiple venues. Information retention in multi-platform discussions of science.
  • Poster presentation at International Conference on Computational Social Science (IC^2S^2) 2022, 19-22 July 2022. Chicago, IL. (Presented by Sohyeon Hwang.) [pdf].
  • Poster presentation at International Conference on the Science of Science and Innovation (ICSSI) 2022. June 7-9, 2022. Washington DC, USA. (Presented by Daniel Romero.)

Hwang, S. & Shaw, A. 2020. Heterogeneous practices in collective governance. *Collective Intelligence 2020* (CI 2020). Boston & Copenhagen (Virtually held due to COVID-19). [pdf] [recording].

Rahm, B.G., Hwang, S., Joo, T., Teuffer, K., Vedachalam, S., Grantham, D. & Riha, S.J. 2016. Making the case for OWTS management: lessons from case studies and research. In *AGU Fall 2016 Meeting Abstracts*. San Francisco, California. [pdf].

AWARDS

Fellowships + Scholarships
2020-2023. National Science Foundation Graduate Research Fellowship, value 134,000 USD.
2018. Emma Bowen Foundation Fellowship (Democracy Fund), value 6,000 USD.
2017. Telluride House Scholarship (Cornell Branch), 2017-2018 residential scholarship.
2017. Frederic Conger Wood Research Fellowship, value 3,500 USD.
2014. Bio-Rad Laboratories Scholarship, value 1,000 USD.
2014. National Merit Scholarship (top <1%), value 1,000 USD.

Grants + Miscellaneous Funding
2024. TGS Conference Travel Grant, Northwestern University, value 800 USD.
2023. PrivaCI Symposium 2023 - NSF travel award, value 1000 USD.
2023. ICWSM 2023 Student Travel Grant, value 500 USD.
2023. Supported participation in the CSST Summer Research Institute (Boulder), value 500 USD.
2023. TGS Conference Travel Grant, Northwestern University, value 800 USD.
2022. Quantitative methods training funding, MTS/Northwestern, value 500 USD.
  • *For the Workshop on Research Design for Causal Inference, Northwestern Law School* (8/2022).

Recognitions + Honors
2024. Best Paper Honorable Mention, DIS 2024.
2023. Special Recognitions for Outstanding Reviews (`x1` CHI2023, `x3` CSCW2024).
2021. Best Paper Honorable Mention, CSCW 2021.

2018. Excellence in Research Award, Information Science Dept., Cornell University.
2014-2018. Dean's List for Excellence in Scholarship, Cornell University.
2017. Class of 2018 Award, Class Councils Cornell.
2015. Academic Excellence in German, the German Consulate General New York.

ORGANIZED
WORKSHOPS
+ PANELS

Narayan, Sneha, Benjamin Mako Hill, Sohyeon Hwang. Submission panel. "Understanding Governance Across Peer-Produced Knowledge Commons' Lifecycles." IASC'25 (20th Biennial Conference of the International Association for the Study of the Commons). June 16-19, 2025. Amherst, Massachusetts.

Li, Hanlin, Leah Ajmani, Moyan Zhou, Nicholas Vincent, Sohyeon Hwang, Tiziano Piccardi, Sneha Narayan, Sherae Daniel. Workshop. "Ethical Tensions, Norms, and Directions in the Extraction of Online Volunteer Work". *CSCW'22 Companion: Companion Publication of the 2022 Conference on Computer Supported Cooperative Work and Social Computing.* [doi] [site]

INVITED
TALKS

Online community governance in the face of platform disruptions. Frontiers in Online Community Research: Research Symposium, Purdue University. 13 September 2024. West Lafayette, IN.

Wikipedia data as reflective practice. wikihistories 2024 symposium. 19 July 2024. Brisbane, Australia.

Variation and overlap in the peer production of community rules. Wikimedia Research Showcase. 20 September 2023. Virtual. [recording]

Lessons on decentralized governance from online communities. Governance Learning Forum 2022, Other Internet. 18-19 August 2022. Virtual.

Governance of and by (and within) platforms. COMM ST 378: *Online Communities and Crowds* (taught by Dr. Aaron Shaw), Northwestern University. 9 February 2022. Evanston, IL.

Why do people participate in small online communities?.
- COM 481: *Online Communities* (taught by Dr. Benjamin Mako Hill), University of Washington. 2 March 2022. Virtual.
- HCI seminar series, University of Washington. 5 November 2021. Virtual.

Invited panel discussions
Content moderation on Discord. D/ARC (Discord Academic Research Community) - Bonfire Chat. 18 May 2022. Virtual.
- *Panel, hosted by Hibby Thach: Robyn Caplan, Joseph Seering, Zac Parker, Sohyeon Hwang*

PUBLIC
SCHOLARSHIP

Complexities of Community Governance. Science of Community Dialogues, by the Community Data Science Collective. 27 September 2024. Virtual. [recording]

Learning from small and overlapping communities. Science of Community Dialogues, by the Community Data Science Collective. 11 February 2022. Virtual.

Discord Moderator Discord Academic Talks (DMDAT). 13 January 2022. Virtual Q&A.

The science of social media. Uncontrolled Variables: A Science & Comedy Show, 2 September 2021. Lincoln Lodge Theater, Chicago, IL.

South Korea's dud(?) democracy: The candlelight protests in context. Cornell Branch of the Telluride Association – House PubSpeaks, February 2018. Ithaca, NY.

Web

- "From scientific management to data-driven labor organizing". Interview with Dr. Vera Khovanskaya, Computing Innovation Postdoctoral Fellow at UC San Diego (recorded 06/2022, published 08/2022)

| WORK EXPERIENCE | **Reveal from the Center for Investigative Reporting** | 2018 |
| | Emma Bowen Foundation Fellow, Audience Team | |

Reveal from the Center for Investigative Reporting 2018
Emma Bowen Foundation Fellow, Audience Team

Center for the Study of Economy & Society, Cornell University 2016-2018
Undergraduate Assistant under Dr. Victor Nee

Tompkins County – Cornell Cooperative Extension 2016
Communications & Outreach Intern

New York State Water Resources Institute, Cornell University 2015
Summer Undergraduate Intern under Dr. Brian Rahm.

TEACHING

Research supervision
Emily Zou (undergraduate research assistant (RA), Northwestern University, Spring 2022 - Fall 2023)
Serene Ong (undergraduate RA, Northwestern University, Spring 2021 – Spring 2023)
Daryn McElroy (undergraduate RA, Northwestern University, Spring - Fall 2021)
Amanda Hardy (Master's RA, University of Michigan, Winter - Spring 2021)
Ellie Coleman (undergraduate RA, Northwestern University, Summer 2020)

Courses
MATH015: Basic Mathematics. Instructor. Garden State Youth Correctional Facility, Princeton Prison Teaching Initiative. 2025, Spring (Upcoming).

COMM ST 378: Online Communities and Crowds. Graduate Teaching Assistant (discussion **section instructor** of record), under Aaron Shaw. Northwestern University. 2022, Winter.

COMM ST 159: Computing Everywhere. **Graduate student instructor**, under Jeremy Birnholtz. Northwestern University. Multiple quarters.
   • How NLP breaks down (your) text into data. 2022, Spring; 2023, Spring.
   • Using APIs to gather online information. 2021, Spring; 2022, Winter.

INFO 4240: Designing Technologies for Social Impact. Undergraduate teaching assistant, under Phoebe Sengers. Cornell University. 2016, Fall; 2017, Fall.

Training and certification
CIRTL (Center for the Integration of Research, Teaching and Learning) Associate Certificate
   • via the Reflective and Effective Teaching Program, Northwestern University, 2022-2023.
Inclusive Teaching Practicum, Northwestern University, November 2021.

SERVICE

Conference reviewing: AOIR; ICA; CSCW; ICWSM; CHI
Journal reviewing: Information, Communication, & Society
Program committee: WikiWorkshop 2024; CSCW 2025 AC
Grant reviewing: Wikimedia Research Fund (2023, 2024)

HCI+D PhD book club, Co-founder/organizer. Summer 2020 – Spring 2024.
Metagov Seminar, seminar planning committee member. 2020-2022.
Human-Computer Interaction Events Committee, Northwestern University. 2020-2021.
Research retreat co-organizer, Community Data Science Collective. Fall 2019, Fall 2023.

Professional membership
Association for Computing Machinery
International Communication Association
Association of Internet Researchers