SOHYEON HWANG

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EDUCATION

Northwestern University, Evanston, IL   2019-Present
MA/PhD in Media, Technology, and Society
Advisor: Aaron Shaw
2021, MA thesis: Parallel evolutions of peer-produced online governance
2024, Dissertation expected: The place of communities in platform governance
Committee: Aaron Shaw, Emőke-Ágnes Horvát, Darren Gergle

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

AFFILIATIONS

Community Data Science Collective   2019-Present
PhD Student (funded by **NSF GRFP**)
PIs: Aaron Shaw, Benjamin Mako Hill
Relevant grants: NSF IIS-1617468, NSF IIS-1910202

Lab on Innovation, Networks, and Knowledge   2020-Present
Affiliate PhD Student Researcher
PIs: Emőke-Ágnes Horvát
Relevant grants: NSF IIS-2133963, NSF IIS-2133964

PUBLICATIONS

Peer-reviewed conference proceedings (archival)

Hwang, S., Kiene C., Ong, S., & Shaw, A. 2024. Adopting third-party bots for online community management. *Forthcoming (accepted for CSCW 2024).*

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]
Best Paper Honorable Mention
– mentioned in: The Washington Post

Working papers

Hwang, S., Nanyakkara, P., & Shvartzshnaider, Y. Whose policy? Cultivating trust and negotiating privacy on decentralized platforms.

Hwang, S. & Shaw, A. The impact of rules on community interventions to counter online bias.

Hwang, S. At the interstices of governing online spaces.

Book chapters

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

Posters + extended abstract presentations (juried, non-archival)

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.

Hwang, S., Nanyakkara, P., & Shvartzshnaider, Y. 2023. Whose policy? Privacy challenges of decentralized platforms.
  • Presentation at PrivaCI Symposium 2023. Toronto, Canada.
  • 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.
  • Presentation at WikiWorkshop 2023. Virtual.
  • 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^{2}S^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.

Recognitions + Honors
2022. Outstanding Review, Special Recognition, CHI 2023.
2022. Outstanding Review, Special Recognition, CSCW 2023.
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.

Grants + Miscellaneous Funding
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).

ORGANIZED WORKSHOPS

Li, Hanlin, Leah Ajmani, Moyan Zhou, Nicholas Vincent, Sohyeon Hwang, Tiziano Piccardi, Sneha Narayan, Sherae Daniel. "Ethical Tensions, Norms, and Directions in the Extraction of Online Volunteer

Work". Companion Publication of the 2022 Conference on Computer Supported Cooperative Work and Social Computing. 2022. [site]

INVITED TALKS	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 panels
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	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
Interview series loosely centered around research + technology, media, and social behavior:
- "From scientific management to data-driven labor organizing". Interview with Dr. Vera Khovanskaya, NSF/CRA/CCC Computing Innovation Postdoctoral Fellow at UC San Diego (recorded 06/2022, published 08/2022)

WORK EXPERIENCE	**Reveal from the Center for Investigative Reporting** Emma Bowen Foundation Fellow, Audience Team	2018
	Center for the Study of Economy & Society, Cornell University Undergraduate Assistant under Dr. Victor Nee	2016-2018
	Tompkins County – Cornell Cooperative Extension Communications & Outreach Intern	2016
	New York State Water Resources Institute, Cornell University Summer Undergraduate Intern under Dr. Brian Rahm.	2015

TEACHING	**Research supervision** Emily Zou (undergraduate research assistant (RA), Northwestern University, Spring 2022 - Present) 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

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.

REVIEWING   **Conferences**: AOIR, ICA, CSCW, ICWSM, CHI
Grants: Wikimedia Research Fund (2023, 2024)

SERVICE   HCI+D PhD book club, Co-founder/organizer. Summer 2020 – present.
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.
Cornell Branch of the Telluride House, Speaker Series Co-organizer, 2017-2018.

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