



JOSEPH SEERING

CONTACT

EMAIL: seering@kaist.ac.kr

AFFILIATIONS

AUG 2023-
PRESENT Assistant Professor in the SCHOOL OF COMPUTING, **KAIST**
OCT 2020-
JULY 2023 Postdoc in COMPUTER SCIENCE, **Stanford University**

EDUCATION

SEP 2020 PhD in HUMAN-COMPUTER INTERACTION, **Carnegie Mellon University**
MAY 2018 MS in HUMAN-COMPUTER INTERACTION, **Carnegie Mellon University**
MAY 2013 BA in SOCIAL STUDIES, **Harvard University**

PUBLICATIONS & PRESENTATIONS

PUBLISHED CONFERENCE AND JOURNAL PAPERS:

- **Seering, J.**, Khadka, M., Haghighi, N., Yang, T., Xi, Z., and Bernstein, M. (2024). Chillbot: Content Moderation in the Backchannel. In *Proceedings of the ACM on Human-Computer Interaction 8*, CSCW2.
- Han, C., **Seering, J.**, Kumar, D., Hancock, J., and Durumeric, Z. (2023) Hate Raids on Twitch: Echoes of the Past, New Modalities, and Implications for Platform Governance. In *Proceedings of the ACM on Human-Computer Interaction 7*, CSCW1, Article 133. **Best Paper Award** 🏆
- **Seering, J.** and Kairam, S. (2023). Who Moderates on Twitch and What Do They Do? Quantifying Practices in Community Moderation on Twitch. In *Proceedings of the ACM on Human-Computer Interaction 7*, GROUP, Article 18.
- Park, J.S., **Seering, J.**, and Bernstein, M. (2022). Measuring the Prevalence of Anti-Social Behavior in Online Communities. In *Proceedings of the ACM on Human-Computer Interaction 6*, CSCW2, Article 451.

- **Seering, J.**, Dym, B., Kaufman, G., and Bernstein, M. (2022). Pride and Professionalization in Volunteer Moderation: Lessons for Effective Platform-User Collaboration. In *The Journal of Online Trust and Safety* 1(2).
- Kim, S., Eun, J., **Seering, J.**, and Lee, J. (2021, Oct). Moderator Chatbot for Deliberative Discussion: Effects of Discussion Structure and Discussant Facilitation. In *Proceedings of the ACM on Human-Computer Interaction* 5, CSCW1, Article 87.
- **Seering, J.** (2020, Oct) Reconsidering Community Self-Moderation: the Role of Research in Supporting Community-Based Models for Online Content Moderation. In *Proceedings of the ACM on Human-Computer Interaction* 4, CSCW2, Article 107.
- **Seering, J.**, Kaufman, G., and Chancellor, C. (2020, Oct). Metaphors in Moderation. *New Media & Society*.
- Luria, M., **Seering, J.**, Forlizzi, J., and Zimmerman, J. (2020, April), Designing Chatbots as Community-Owned Agents. In *Proceedings of the 2nd Conference on Conversational User Interfaces (CUI '20)*. ACM.
- **Seering, J.**, Hammer, J., Kaufman, G., and Yang, D. (2020, April), Proximate Social Factors in First-Time Contribution to Online Communities. In *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems*. ACM. [24.3% Acceptance Rate]
- **Seering, J.**, Luria, M., Ye, C., Kaufman, G., and Hammer, J. (2020, April), It Takes a Village: Integrating an Adaptive Chatbot into an Online Gaming Community. In *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems*. ACM. [24.3% Acceptance Rate]
- Yu, B., **Seering, J.**, Spiel, K., and Watts, L. (2020, April), “Taking Care of a Fruit Tree”: Nurturing as a Layer of Concern in Online Community Moderation. In *Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems*. ACM.
- **Seering, J.***, Mayol, R.,* Harpstead, E., Chen, T., Cook, A., and Hammer, J. (2019, Oct), Peer Feedback Processes in the Game Industry. In *Proceedings of the Annual Symposium on Computer-Human Interaction in Play (CHI PLAY '19)*, Barcelona, Spain. ACM. [28% Acceptance Rate]
- Harpstead, E., Rios, J.S., **Seering, J.**, and Hammer, J. (2019, Oct), Toward a Twitch Research Toolkit: A Systematic Review of Approaches to Research on Game Streaming. In *Proceedings of the Annual Symposium on Computer-Human Interaction in Play (CHI PLAY '19)*, Barcelona, Spain. ACM. [28% Acceptance Rate]
- Flores-Saviaga, C., Hammer, J., Flores, J.P., **Seering, J.**, Reeves, S., and Savage, S. (2019, Sept), Audience and Streamer Participation at Scale on Twitch. In *Proceedings of the 30th ACM Conference on Hypertext and Social Media (HT '19)*, Hof, Germany. [29% Acceptance Rate]
- **Seering, J.**, Fang, T., Damasco, L., Chen, M., Sun, L., and Kaufman, G. (2019, Apr), Impacts of User Interface Elements on Online Commenting Behaviors. In *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems*. ACM. [23.8% Acceptance Rate]
- **Seering, J.**, Luria M., Kaufman, G., and Hammer, J. (2019, Apr), Beyond Dyadic Interactions: Considering Chatbots as Community Members. In *Proceedings of the*

2019 CHI Conference on Human Factors in Computing Systems. ACM. [23.8% Acceptance Rate]

- Yang, D., Yao, Z., **Seering, J.**, and Kraut, R. E. (2019, May), The Channel Matters: Self-disclosure, Reciprocity and Social Support in Online Cancer Support Groups. *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems*. ACM. [23.8% Acceptance Rate] **Best Paper Honorable Mention** 🏆
- **Seering, J.**, Wang, T., Yoon, J., and Kaufman, G. (2019), Moderator Engagement and Community Development In the Age of Algorithms. *New Media & Society*, 21(7), 1417–1443.
- **Seering, J.**, Ng, F., Yao, Z., and Kaufman, G. (2018, Nov), Applications of Social Identity Theory to Research and Design in Computer-Supported Cooperative Work. In *Proceedings of the ACM on Human-Computer Interaction 2*, CSCW, Article 201. [25% Acceptance Rate] **Best Paper Award** 🏆
- **Seering, J.**, Flores, J.P., Savage, S., and Hammer, J. (2018, Nov) The Social Roles of Bots: Evaluating Impact of Bots on Discussions in Online Communities. In *Proceedings of the ACM on Human-Computer Interaction 2*, CSCW, Article 157. [25% Acceptance Rate]
- Glickman, S., McKenzie, N., **Seering, J.**, Moeller, R., and Hammer, J. (2018, Oct) Design Challenges for Livestreamed Audience Participation Games. In *Proceedings of the Annual Symposium on Computer-Human Interaction in Play (CHI PLAY '18)*, Melbourne, Australia. [35% Acceptance Rate] **Best Paper Honorable Mention** 🏆
- **Seering, J.**, Savage, S., Eagle, M., Churchin, J., Moeller, R., Bigham, J., and Hammer, J. (2017, June), Audience Participation Games: Blurring the Line Between Player and Spectator. In *Proceedings of the 2017 Conference on Designing Interactive Systems (DIS '17)*, Edinburgh, Scotland, ACM. [22% Acceptance Rate]
- **Seering, J.**, Kraut, R. E., and Dabbish, L. (2017, Feb), Shaping Pro and Anti-Social Behavior on Twitch Through Moderation and Example-Setting. In *Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW '17)*, Portland, Oregon. ACM. [34% Acceptance Rate] **Best Paper Honorable Mention** 🏆
- **Seering, J.**, Willcox, K., & Huang, L. (2015, June), Mapping Outcomes in an Undergraduate Aerospace Engineering Program. In *Proceedings of the 2015 ASEE Annual Conference and Exposition*, Seattle, Washington. 10.18260/p.24467

DOCTORAL COLLOQUIUM:

- **Seering, J.** Building More Positive Online Communities through Improving Moderation and Strengthening Social Identity. ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW '19). Austin, TX, USA. Nov 2019.

CONFERENCE PRESENTATIONS, POSTERS, AND WORKSHOP PAPERS:

- **Seering, J.** (2019, May), Chatbots for Engagement and Play on Twitch. Workshop paper presented at the 2019 CHI Conference on Human Factors in Computing Systems, Glasgow, Scotland. ACM
- **Seering, J.**, and Kaufman, G. (2018, June), Experimenting with Harassment: Ethical Questions in Studying Bad Behaviors Online. Workshop paper presented at the

the 12th International AAAI Conference on Web and Social Media, Stanford, California. AAAI.

- **Seering, J.**, and Kaufman, G. (2018, Apr), The Importance of Looking Closer: Understanding Motivations for Bad Behavior Online. Workshop paper presented at the 2018 CHI Conference on Human Factors in Computing Systems, Montreal, Canada. ACM.
- **Seering, J.**, and Kaufman, G. (2017, Feb), Social Identity Theory and Computer-Supported Cooperative Work. Workshop paper presented at the 20th conference on Computer Supported Cooperative Work & Social Computing, Portland, Oregon. ACM.
- **Seering, J.**, and Dabbish, L. (2016, March), Exploring Identity Signals on an Anonymous Mobile Posting App. Workshop paper presented at the 19th conference on Computer Supported Cooperative Work and Social Computing, San Francisco, California. ACM.
- Lieberman, C., **Seering, J.**, and Willcox, K. (2014, June). Mapping of learning outcomes across the MIT undergraduate curriculum. Poster session presented at the 10th International CDIO Conference, Barcelona, Spain, June 15-19 2014.

WORKSHOPS ORGANIZED:

- *Community Driven Governance Online: Past, Present, and Future*, Co-organized with the Yale Social Media Governance Initiative
- *Volunteer Work: Mapping the Future of Moderation Research*, CSCW '19
- *Managing and Designing for Norms in Online Communities*, ICWSM '19

INVITED BOOK REVIEWS:

- Seering, J. (2019, June), Book Review: Custodians of the Internet: Platforms, Content Moderation, and the Hidden Decisions That Shape Social Media. Convergence.

OTHER WORK:

- **Seering, J.** (2020). Supporting Volunteer Moderation Practices in Online Communities. Dissertation, Human-Computer Interaction Institute, Carnegie Mellon University.
- Willcox, K., Sarma, S., and Lippel, P. et al. (2016, May). Online Education: A Catalyst for Higher Education Reforms. Accessed at <https://oeipi.mit.edu/literature/reports/>.
- **Seering, J.** (Unpublished, 2013). Practical Goals: A Case Study in Understanding and Judging Objectives in Higher Education. Senior Thesis, Harvard College.

AWARDS

- CSCW 2023 Best Paper Award
- 2021 CRA Computing Innovation Fellow
- K&L Gates Presidential Fellowship in Ethics and Computational Technologies
- Carnegie Mellon University Presidential Fellowship
- CHI 2019 Best Paper Honorable Mention

- CSCW 2018 Best Paper Award
- CHI PLAY 2018 Best Paper Honourable Mention
- CSCW 2017 Best Paper Honorable Mention
- High honors for undergraduate thesis, Harvard College

FUNDING

- CI Fellow 2021: \$253,328
- Brown Institute Magic Grant 2021-2022 (Co-PI): \$126,779
- Discord Inc. Research Gift (PI): \$5,000
- ONR Research Grant (Contributor): \$540,000
- K&L Gates Presidential Fellowship: \$46,721
- Carnegie Mellon University Presidential Fellowship: \$50,000

WORK EXPERIENCE

OCT 2021- PRESENT	<p>Consultant for Content Moderation <i>Various Companies</i></p> <p>Consulted on issues related to content moderation research for clients including LinkedIn, Slack, and Twitch.</p>
JAN 2014- AUG 2015	<p>Researcher in Online Learning <i>MIT, Aeronautics and Astronautics Department</i></p> <p>Worked as a researcher for MIT's Online Education Policy Initiative, funded by a grant by the Carnegie Corporation. Performed an extensive review of the literature over several months to understand state-of-the-art perspectives on online learning from psychology, social science, and education, and presented the results of this review to the internal working group and to interested parties across MIT.</p>
JUN 2013- AUG 2015	<p>Research Analyst <i>MIT, Office of the Provost</i></p> <p>Performed extensive survey research by assisting with writing, deploying, and analyzing more than fifteen surveys including the MIT Community Attitudes on Sexual Assault survey. Used statistical analysis tools including SPSS on large sets of data to answer research and administrative questions about student learning and social experiences. Analyzed and coded large volumes of textual responses to survey questions, both manually and with natural language processing algorithms written in Python.</p>
JUN 2012- AUG 2012	<p>Research Intern <i>Harvard University, Office of Institutional Research</i></p> <p>Explored terminology used in learning objectives and used Python, MATLAB and statistical software to model linguistic relationships between a variety of terms in the relevant literature.</p>
JUN 2011- AUG 2011	<p>Quality Analyst Intern <i>QinetiQ North America</i></p>

Worked to validate and verify reports on procedures related to quality control in a complex manufacturing environment.

OCT 2008- Intern in Statistical Engineering

JUN 2009, *Bose Corporation*

JUN 2010- Used statistical tools to validate manufacturing processes and suggest
AUG 2010- assembly specifications. Focused specifically on minimizing failures by recommending proper torque settings for driving screws into different materials. Designed an 'intern curriculum,' specifying a progression of skills an intern would learn while in the department.