

# Alyssa Smith

## Curriculum Vitae

Network Science Institute

Northeastern University

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🌐 Website

🐙 Github   in LinkedIn

## Research Interests

**Social networks, (critical) social media studies, mixed methods, text as data, broadening access to big data & computational tools.**

## Education

2021–2025 **PhD, Network Science, Northeastern University, Boston, MA.**

**Supervisors:** Brooke Foucault Welles & David Lazer

**Dissertation:** Integrating Perspectives on Network Structure and Individual Agency

2013–2017 **Bachelor of Science, Humanities and Engineering with Computer Science and Comparative Media Studies, MIT, Cambridge, MA.**

**Thesis:** The Discourse: An Online Debate

## Professional Experience

### Kayak Software Corporation

2019–2021 **Labs Data Scientist.**

Built data pipelines and machine learning models. Led the LGBTQ+ Employee Resource Group

2017–2019 **Kensho Technologies.**

Built data infrastructure for graph machine learning models

## Publications

### Journal Articles

2023 Alyssa Hasegawa Smith, Adina Gitomer, and Brooke Foucault Welles. You want a piece of me: Britney Spears as a case study on the prominence of hegemonic tales and subversive stories in online media. *First Monday*, December 2023.

### Journal Articles Accepted Pending Revision

2024 **Alyssa Hasegawa Smith**, It Has Been Handled: A Story about Ruling Relations and Power in the University Setting, In *Journal of Autoethnography*.

### Journal Articles Under Review

2024 **Alyssa Hasegawa Smith, Jonathan Green, Brooke Foucault Welles and David Lazer**, Determining a causal link between amplification and triad transitivity in a directed social network, In *PNAS Nexus*.

2024 **Alyssa Hasegawa Smith, Sagar Kumar, Yukun Yang, and Pranav Goel**, . Locating the Asymmetry in Information Flow between Local and National Media on Transgender Discourses, In *Bulletin of Applied Transgender Studies*.

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## In Conference Proceedings

- 2021 Vibhu Bhatia, Vidya Prasad Akavoor, Sejin Paik, Lei Guo, Mona Jalal, Alyssa Smith, David Assefa Tofu, Edward Edberg Halim, Yimeng Sun, Margrit Betke, Prakash Ishwar, and Derry Tanti Wijaya. OpenFraming: Open-sourced Tool for Computational Framing Analysis of Multilingual Data. In *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing: System Demonstrations*, pages 242–250, Online and Punta Cana, Dominican Republic, November 2021. Association for Computational Linguistics.

### Conference Publications Under Review

- 2024 **Alyssa Hasegawa Smith, Ahana Bhattacharya, Holliday Sims, and Kenneth Joseph**, The “Who,” “How,” and “When” of Elite Political Discourse on Twitter/X Before and After the Murder of George Floyd, Submitted to CSCW’s July 2024 cycle.

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## Fellowships & Awards

- 2024 **Network Science Institute NetSeed Grant Recipient.**  
Granted \$10,000 for “An Annotated Dataset of Local and National U.S. News Articles about Transgender Issues”
- 2023 **NSF GRFP Fellowship Awardee.**  
in Social Sciences - Computationally Intensive Research

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## Conference Presentations

- 2024 **Alyssa Smith**, *Locating the Asymmetry in Information Flow between Local and National Media on Transgender Discourses.*, International Conference on Computational Social Science, Philadelphia, PA.
- 2023 **Rahul Bhargava, Hayden DelCiello, Zhen Guo, Alyssa Smith**, *Pardon Our Dust: Public Data Infrastructure Under Construction*, Digital Humanities Symposium, Cambridge, MA.
- 2023 **Alyssa Hasegawa Smith**, *Attention Brokers: Adapting the Tertius Iungens to an Amplification Paradigm*, Sunbelt, Portland, OR.
- 2022 **Alyssa Hasegawa Smith**, *Attentional Cat-pital: Jorts The Cat’s Disruption of Triad Closure Processes in Social Networks*, PaCSS (Politics and Computational Social Science, Cambridge, MA.

### Posters

- 2024 **Alyssa Smith**, *An Analysis of the Ecosystems of Elites on American Twitter in 2020*, International Conference on Computational Social Science, Philadelphia, PA.
- 2021 **Alyssa Smith**, *Doing Data Science With Queer Identities*, PaCSS (Politics and Computational Social Science), Online.

### Workshops

- 2021 **Layla Hashemi, Amy Magnus, Temitayo Osinubi, and Alyssa Smith**, *Infograffiti*, PaCSS (Politics and Computational Social Science), Online.

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## Teaching

- Fall 2024 **Instructor of Record.**  
PHYS 7332 (Network Science Data)
- Spring 2023 **Guest Lecturer.**  
NULab Digital Humanities Project Seminar
- Spring 2022 **Guest Lecturer.**  
SOCL 4600: Sociology Senior Seminar

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## Service to Profession

- 2024 **Reviewer**, *First Monday*.
- 2023 **Reviewer**, *Digital Humanities Quarterly*.

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## Departmental Service

- 2024 **Led job interview practice group**, Network Science Institute.
- 2024 **Coordinated & moderated industry careers panel**, Network Science Institute.
- 2024 **Founded cross-disciplinary mentorship program**, Network Science Institute.
- 2023–2024 **President**, Network Science Institute Graduate Student Association.
- 2022–2023 **Cohort Liaison**, Network Science Institute Graduate Student Association.