

# Alyssa Smith

## Curriculum Vitae

Network Science Institute  
Northeastern University  
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🌐 Website  
🐙 Github   in LinkedIn

### Research Interests

social media, network science, computational social science, natural language processing.

### Education

- 09/2021–  
Present **PhD Candidate, Network Science, Northeastern University**, Boston, MA.  
**Supervisors:** Brooke Foucault Welles & David Lazer  
**Dissertation:** Emergent Power in Information Ecosystems on Social Media
- 09/2021–  
08/2023 **Master of Science, Network Science, Northeastern University**, Boston, MA.
- 09/2013–  
05/2017 **Bachelor of Science, Humanities and Engineering with Computer Science and Comparative Media Studies, MIT**, Cambridge, MA.  
**Thesis:** The Discourse: An Online Debate

### Fellowships, Awards, and Distinctions

- 07/2025 **UC Berkeley/Oxford Internet Institute Doctoral Consortium.**
- 06/2025 **International Communication Association Doctoral Consortium.**
- 03/2024 **Network Science Institute NetSeed Grant Recipient.**  
Granted \$10,000 for a year-long project titled “An Annotated Dataset of Local and National U.S. News Articles about Transgender Issues”
- 03/2023 **NSF GRFP Fellowship Awardee.**  
in Social Sciences - Computationally Intensive Research. Awarded \$159,000 for five years of graduate study under Grant No. 1938052

### Publications

#### Peer-Reviewed Publications & Accepted Articles

- 09/2025 **Gerardo Flores, Alyssa Hasegawa Smith, Julie Fukuyama, Ashia C. Wilson**, Aligning Evaluation with Clinical Priorities: Calibration, Label Shift, and Error Costs, Accepted at *NeurIPS 2025*.
- 04/2025 **Alyssa Hasegawa Smith, Jonathan Green, Brooke Foucault Welles, David Lazer**, Emergent structures of attention on social media are driven by amplification and triad transitivity, *PNAS Nexus*, April 2025.
- 04/2025 **Alyssa Hasegawa Smith**, It Has Been Handled: A Story about Ruling Relations and Power in the University Setting, *Journal of Autoethnography*, April 2025.
- 03/2025 **Alyssa Hasegawa Smith, Sagar Kumar, Yukun Yang, and Pranav Goel**, Locating the Asymmetry in Information Flow between Local and National Media on Transgender Discourses, Accepted at *Bulletin of Applied Transgender Studies*.
- 12/2023 **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.

- 11/2021 **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..

#### Preprints

- 05/2025 **Alyssa Hasegawa Smith, Ilya Amburg, Sagar Kumar, Brooke Foucault Welles, Nicholas W. Landry**, A Blue Start: A large-scale pairwise and higher-order social network dataset, *arXiv Preprint*.

#### Articles Under Review

- 09/2025 **Alyssa Hasegawa Smith, Erika Melder, Michael Ann DeVito**, How Distributed, Consensus-Free Folklore Enables Transfeminine Disposability on Bluesky.

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#### Invited Talks

- 05/2025 **Alyssa Hasegawa Smith, Jonathan Green, David Lazer, Brooke Foucault Welles**, *Emergent structures of attention on social media are driven by amplification and triad transitivity*, Brown University CNTR Reading Group, Providence, RI.

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#### Conference Presentations

- 10/2024 **Alyssa Hasegawa Smith, Sagar Kumar, Yukun Yang, and Pranav Goel**, *An Annotated Dataset of U.S. Transgender News For Determining Agenda-Setting & Information Flows*, Computation and Journalism Symposium, Boston, MA.
- 07/2024 **Alyssa Hasegawa Smith, Sagar Kumar, Yukun Yang, and Pranav Goel**, *Locating the Asymmetry in Information Flow between Local and National Media on Transgender Discourses.*, International Conference on Computational Social Science, Philadelphia, PA.
- 07/2023 **Alyssa Hasegawa Smith, Jonathan Green, David Lazer, Brooke Foucault Welles**, *Attention Brokers: Adapting the Tertius iungens to an Amplification Paradigm*, Sunbelt, Portland, OR.
- 04/2023 **Rahul Bhargava, Hayden DelCiello, Zhen Guo, Alyssa Hasegawa Smith**, *Pardon Our Dust: Public Data Infrastructure Under Construction*, Digital Humanities Symposium, Cambridge, MA.
- 06/2022 **Alyssa Hasegawa Smith, Jonathan Green, David Lazer, Brooke Foucault Welles**, *Attentional Cat-pital: Jorts The Cat's Disruption of Triad Closure Processes in Social Networks*, PaCSS (Politics and Computational Social Science, Cambridge, MA.

#### Posters

- 08/2025 **Alyssa Hasegawa Smith, Ilya Amburg, Sagar Kumar, Brooke Foucault Welles, Nicholas Landry**, *A Blue Start: An Open Network Data Resource*, Political Networks and Computational Social Science Conference , Cambridge, MA.
- 07/2024 **Alyssa Hasegawa Smith, Ahana Bhattacharya, Holliday Sims, Kenneth Joseph**, *An Analysis of the Ecosystems of Elites on American Twitter in 2020*, International Conference on Computational Social Science, Philadelphia, PA.
- 06/2021 **Alyssa Hasegawa Smith**, *Doing Data Science With Queer Identities*, PaCSS (Politics and Computational Social Science), Online.

#### Workshops

- 06/2021 **Layla Hashemi, Amy Magnus, Temitayo Osinubi, and Alyssa Hasegawa Smith**, *Infograffiti*, PaCSS (Politics and Computational Social Science), Online.

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## Teaching

Fall 2025 **Guest Lecturer.**

PHYS 7332 (Network Science Data): I am serving as a guest lecturer in this course for Fall 2025, providing specific instruction on SQL and machine learning.

Fall 2024 **Co-instructor.**

PHYS 7332 (Network Science Data): This was a graduate-level course with 9 students enrolled. We focused on building competency in Python and related data science tools for network analysis, working with an eye towards scalability and reliability.

Spring 2023 **Guest Lecturer.**

NULab Digital Humanities Project Seminar

Spring 2022 **Guest Lecturer.**

SOCL 4600: Sociology Senior Seminar

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## Departmental Service

2024 - 2025 ***Founded cross-disciplinary mentorship program now on its second cohort of mentorship pods, Network Science Institute.***

2024 ***Led job interview practice group, Network Science Institute.***

2024 ***Coordinated & moderated industry careers panel, Network Science Institute.***

2023–2024 ***President, Network Science Institute Graduate Student Association.***

2022–2023 ***Cohort Liaison, Network Science Institute Graduate Student Association.***

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## Professional Experience

May ***Kayak Software Corporation, Labs Data Scientist.***

2019–May 2021 Built data pipelines and machine learning models. Led the LGBTQ+ Employee Resource Group

July ***Kensho Technologies, Graph Data Engineer.***

2017–March 2019 Built data infrastructure for graph machine learning models

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## Service to Profession

08/2025 ***Reviewer, Computers in Human Behavior Reports.***

06/2025 ***Co-Reviewer, Nature Communications.***

03/2025 ***Reviewer, ICWSM 2025.***

01/2025 ***Program Committee, WebSci 2025.***

04/2025 ***Reviewer, NetSci 2025.***

02/2024; ***Reviewer, First Monday.***

04/2025

02/2023 ***Reviewer, Digital Humanities Quarterly.***