# 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

**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

**2021–2023**  **Master of Science, Network Science**, *Northeastern University*, Boston, MA.

**2013–2017**  **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

**July 2025**  **UC Berkeley/Oxford Internet Institute Doctoral Consortium**.

**June 2025**  **International Communication Association Doctoral Consortium**.

**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"

**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

### Accepted Journal Articles

**March 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, *Bulletin of Applied Transgender Studies*.

### Journal Articles

**December 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.

**April 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.

**April 2025**  ***Alyssa Hasegawa Smith***, It Has Been Handled: A Story about Ruling Relations and Power in the University Setting, *Journal of Autoethnography*, April 2025.

## Peer-Reviewed 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. Assocation for Computational Linguistics..

## Invited Talks

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.

## Conference Presentations

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.

2024 ***Alyssa Smith*, Ahana Bhattacharya, Holliday Sims, Kenneth Joseph**, *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 Hasegawa Smith***, *Pardon Our Dust: Public Data Infrastructure Under Construction*, Digital Humanities Symposium, Cambridge, MA.

2023 ***Alyssa Hasegawa Smith*, Jonathan Green, David Lazer, Brooke Foucault Welles**, *Attention Brokers: Adapting the Tertius Iungens to an Amplification Paradigm*, Sunbelt, Portland, OR.

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

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.

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.

2021 ***Alyssa Hasegawa Smith***, *Doing Data Science With Queer Identities*, PaCSS (Politics and Computational Social Science), Online.

### Workshops

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

## 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.

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| Spring 2023 | **_Guest Lecturer_**. <br> NULab Digital Humanities Project Seminar |
| Spring 2022 | **_Guest Lecturer_**. <br> SOCL 4600: Sociology Senior Seminar |

## Departmental Service

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| 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_. |

## Professional Experience

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| 2019–2021 | **_Kayak Software Corporation_**, _Labs Data Scientist_. <br> Built data pipelines and machine learning models. Led the LGBTQ+ Employee Resource Group |
| 2017–2019 | **_Kensho Technologies_**, _Graph Data Engineer_. <br> Built data infrastructure for graph machine learning models |

## Service to Profession

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| 2025 | **_Reviewer_**, _Computers in Human Behavior Reports_. |
| 2025 | **_Reviewer_**, _ICWSM 2025_. |
| 2025 | **_Program Committee_**, _WebSci 2025_. |
| 2025 | **_Reviewer_**, _NetSci 2025_. |
| 2024 | **_Reviewer_**, _First Monday_. |
| 2023 | **_Reviewer_**, _Digital Humanities Quarterly_. |