Jeffrey Gleason

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Education

2021 – 2026 **Northeastern University**, Ph.D. Computer Science
- Advisor: Christo Wilson
- Coursework: Causal Machine Learning, Bayesian/Network Statistics, Advanced Algorithms, GPA 4.00

2014 – 2018 **Princeton University**, B.A. Computer Science
- Thesis: *Accuracy and Fairness: An Analysis of Risk Assessment Algorithms in the Criminal Justice System*
- Summa Cum Laude, GPA 3.81

Professional Experience

2024 **Roblox**, PhD Data Science Intern
- Designed and analyzed cluster-randomized experiments about the effects of consequences on user behavior as part of the Trust & Safety team
- Leveraged quasi-randomness in internal services to analyze spillovers in safety-related behaviors
- Research accepted at the MIT Conference on Digital Experimentation and CHI

2020 – 2021 **Kungfu.ai**, Machine Learning Engineer
- Implemented weakly supervised image segmentation (PyTorch, TensorFlow) and time series forecasting methods (GluonTS) for DARPA D3M (automated ML) research program
- Developed first version of internal auditing framework, including Model Cards and Datasheets

2018 – 2020 **Yonder**, Jr. Machine Learning Engineer
- Implemented interpretability methods and natural language style transfer (Transformers) for DARPA D3M and ASED (social engineering defense) research programs
- Applied research to identify and characterize disinformation campaigns on social media

Publications

Gleason, J., Leavitt, A., & Daly, B. (2025). In suspense about suspensions? the relative effectiveness of suspension durations on a popular social platform. In *Proceedings of the 2025 chi conference on human factors in computing systems*.

Feal, A., **Gleason, J.**, Goel, P., Radford, J., Yang, K.-C., Basl, J., … Lazer, D. (2024). Introduction to national internet observatory. In *Data challenge workshop at the international aaai conference on web and social media*.

Gleason, J., Ghosh, A., Robertson, R. E., & Wilson, C. (2024). Perceptions in pixels: Analyzing perceived gender and skin tone in real-world image search results. In *Proceedings of the acm web conference 2024*.

Gleason, J., Koeninger, A., Hu, D., Teurn, J., Bart, Y., Knight, S., … Wilson, C. (2024). Search engine revenue from navigational and brand advertising. In *Proceedings of the international aaai conference on web and social media*.

Hu, D., **Gleason, J.**, Aziz, M. A. B., Koeninger, A., Guggenberger, N., Robertson, R. E., & Wilson, C. (2024). Market or markets? investigating google search's market shares under vertical segmentation. In *Proceedings of the international aaai conference on web and social media*. **Best Paper Honorable Mention**.

Gleason, J., Hu, D., Robertson, R. E., & Wilson, C. (2023). Google the gatekeeper: How search components affect clicks and attention. In *Proceedings of the international aaai conference on web and social media*. **Best Paper**.

Langevin, S., Bethune, C., Horne, P., Kramer, S., **Gleason, J.**, Johnson, B., … Bradley, A. (2021). Useable machine learning for sentinel-2 multispectral satellite imagery. In *Image and signal processing for remote sensing xxvii* (Vol. 11862, pp. 97–114). SPIE.

Gleason, J. L. (2020). Forecasting hierarchical time series with a regularized embedding space. In *Milets '20: 6th kdd workshop on mining and learning from time series*.

Corcoran, C., DiResta, R., Morar, D., Dhamani, N., Sullivan, D., **Gleason**, **J. L.**, … Ruppel, B. (2019). Disinformation: Detect to disrupt. In *Truth and trust online conference*.

Dhamani, N., Azunre, P., **Gleason**, **J. L.**, Corcoran, C., Honke, G., Kramer, S., & Morgan, J. (2019). Using deep networks and transfer learning to address disinformation. In *Icml ai for social good workshop*.

Awards

2024	ICWSM Best Paper Honorable Mention Award
2023	ICWSM Best Paper Award
2018	Sigma Xi Scientific Research Honor Society

Teaching Experience

2023	**Responsible Machine Learning**, Teaching Assistant
2022-23	**IDEAS Summer Program**, Teaching Assistant

Academic Service

2024-25	ICWSM Reviewer
2022-25	FAccT Reviewer
2023-25	IC^2S^2 Reviewer
2024-25	CCS Reviewer
2025	CHI Reviewer
2024	EPJ Data Science Reviewer
2022	Journal of Online Trust and Safety (JOTS) Reviewer

Skills

Coding   Python (PySpark, PyTorch, TensorFlow), R, SQL, Javascript

Open Source

2022	Added E-value sensitivity analysis method to DoWhy causal inference library