Jeffrey L Gleason

gleason.je@northeastern.edu
http://jlgleason.github.io
https://github.com/jlgleason

Education

2021 – · · · · **Northeastern University**, Ph.D. Computer Science
- Research interests: algorithm auditing, online advertising
- Coursework: Bayesian Statistics, Causal Inference, Advanced Algorithms
- Advisor: Christo Wilson

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

Professional Experience

2020 – 2021 **Kungfu.ai**, Machine Learning Engineer
- Implemented land cover classification, visual explanation, and time series forecasting methods for remote sensing and food security applications on DARPA D3M research program
- Developed internal auditing framework, including Model Cards and Datasheets

2018 – 2020 **New Knowledge**, Jr. Machine Learning Engineer
- Implemented time series forecasting, natural language processing, and explainability methods on DARPA D3M (automated machine learning) and ASED (social engineering defense) research programs
- Applied research to identify and characterize disinformation campaigns on social media

Publications

Bibliography

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*.

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*.

Teaching Experience

July 2022 **IDEAS Summer Program**, Teaching Assistant

Academic Service

2023 PC Member: Conference on Fairness, Accountability, and Transparency (FAccT)

PC Member: International Conference on Computational Social Science (IC^2S^2)

2022 PC Member: Conference on Fairness, Accountability, and Transparency (FAccT)

Reviewer: Journal of Online Trust and Safety (JOTS)

Open Source Contributions

2023 Co-developed parser for Bing and DuckDuckGo Search results pages: `SearchParser`

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

2021 Added parsing support for special Google Search components (e.g. `knowledge-panels`) to `WebSearcher`

Awards and Honors

2018 Sigma Xi Scientific Research Honor Society