Jeffrey L Gleason

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Education

2021 – · · · ·   **Northeastern University**, Ph.D. Computer Science.
- Advisor: Christo Wilson
- Focus areas: algorithm auditing, algorithmic fairness

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

Publications

Workshop Papers

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*.

Technical Reports

Blanc, P., **Gleason**, **J.**, & Jones, R. (2021). *The costs of police violence: Measuring misconduct*. MEASURE. Austin, TX.

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

2017 - 2017   **Metabolic**, Data Analysis Intern
- Engineered MVP of green chemical formulation tool to assess toxicity and environmental impact of product ingredients and identify safer alternatives
- Developed toxicity and environmental impact scoring algorithms and data processing pipeline

Awards and Honors

2018   Sigma Xi Scientific Research Honor Society

Volunteer Experience

2020 – 2021   **MEASURE**, Volunteer
- Contributed to report on the cost of misconduct within the Austin Police Department

2019 – 2021   **Victory Tutoring**, Mathematics Tutor
- Tutored middle and high school students two nights per week at the Austin Public Library