Kathleen Cachel

kcachel.github.io

EDUCATION:

September 2020 – pres.	**PhD Candidate, Data Science,** Worcester Polytechnic Institute, Advisor: Elke Rundenstier
May 2022.	**Master of Scienc**e, Data Science (GPA: 4.0) Worcester Polytechnic Institute
May 2016	**Bachelor of Science**, Computer Science, Tufts University

PROFESSIONAL EXPERIENCE:

June 2021- pres.	**Worcester Polytechnic Institute**, Worcester, MA Data Science Program Research Assistant
August 2016 - July 2020	**Microsoft,** Cambridge, MA Office 365 Suite Program Manager II

CONFERENCE PROCEEDINGS:

Kathleen Cachel, and Elke Rundensteiner. "Fairer Together: Mitigating Disparate Exposure in Kemeny Rank Aggregation." *In Proceedings of the 2023 ACM Conference on Fairness, Accountability, and Transparency, (FAcct).*

Hilson Shrestha, **Kathleen Cachel**, Mallak Alkhathlan, Elke Rundensteiner and Lane Harrison. "Help or Hinder? Fairness in Visualizations for Consensus Ranking]{Help or Hinder? Evaluating the Impact of Fairness Metrics and Algorithms in Visualizations for Consensus Ranking"*In Proceedings of the 2023 ACM Conference on Fairness, Accountability, and Transparency, (FAcct).*

Hilson Shrestha, **Kathleen Cachel**, Mallak Alkhathlan, Elke Rundensteiner and Lane Harrison. "FairFuse: Interactive Visual Support for Fair Consensus Rankings." *2022 IEEE VIS.*

Kathleen Cachel, and Elke Rundensteiner. "FINS Auditing Framework: Group Fairness for Subset Selections." *In Proceedings of the 2022 AAAI/ACM Conference on AI, Ethics, and Society (AIES).*

Kathleen Cachel, Elke Rundensteiner, and Lane Harrison. "Mani-Rank: Multiple Attribute and Intersectional Group Fairness For Consensus Ranking." *2022 IEEE 38th International Conference on Data Engineering (ICDE).*

MANUSCRIPTS

Kathleen Cachel, and Elke Rundensteiner. "A User-friendly Toolkit for Supporting Fair Ranking Task." *In Submission.*

Kathleen Cachel, and Elke Rundensteiner. "Fast and Fair Multi-Criteria Candidate Set Selection." *In Submission.*

TEACHING AND MENTORSHIP EXPERIENCE

Fall 2020 **Teaching Assistant,** DS 501: Graduate Introduction to Machine Learning.

Spring 2021 **Teaching Assistant,** CS 539: Graduate Machine Learning.

Summer 2022 ***Summer NSF REU Project Advisor*** Scoped project and advised team of 3 undergraduates and a junior PhD student on project: *"Is it (still) Fair? Fairness in Learning to Ranking Under Demographic Uncertainty".*

SERVICE:

Student Volunteer, FAcct 2022

Reviewer, ICTIR 2023

Reviewer, Workshop on Human and Machine Decision @ NeurIPS 2021