Levi Kaplan

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Education

Northeastern University, Boston, MA

Sept. 2018 - Present	Graduating May 2022	GPA: 3.63/4.00
Candidate for Bachelors of Science in Computer Science		Honors Distinction

Khoury College of Computer Sciences

Relevant Coursework: Software Development, Foundations of Data Science, Algorithms and Data, Object Oriented Design, Machine Learning and Data Mining, Computer Systems

Languages: Python (Pandas, Numpy), Scala, Java, C++, C, C#, React, Swift

Activities: Survivor Northeastern, HackBeanpot Core Team

Research

Mentors: Alan Mislove, Piotr Sapiezynski
Institution: Northeastern University

Completed Papers

Measuring Biases in a Data Broker's Coverage: Jan - Jun 2021
- Investigated equity of Data Broker coverage along demographic lines
- Performed large-scale data analysis and ML techniques to analyze coverage
- Discovered lower coverage/accuracy for historically marginalized groups

Citation: Levi Kaplan, Alan Mislove, and Piotr Sapieżyński. "Measuring Biases in a Data Broker's Coverage." (2021).

Algorithms That "Don't See Color": ⎋   Sep - Dec 2020
- Investigated characteristics of Facebook's ad delivery for housing, credit, and employment ads
- Discovered that removal of demographic features from algorithm may not prevent biased outputs
- Paper submitted to The Web Conference 2022

Citation: Sapiezynski, Piotr, et al. "Algorithms that" Don't See Color": Comparing Biases in Lookalike and Special Ad Audiences." arXiv preprint arXiv:1912.07579 (2019).

Current Research Projects

StyleGAN Ad Distribution: Jun 2021 - Present
- Investigated Facebook ad delivery for computer-generated faces
- Analyzed ad delivery after changing the demographics of the faces
- Plan to submit findings to The Web Conference 2022

Work

Software Engineer, Veracode: Jan - Jun 2020
- Six month Co-op as Back End Engineer for the Static Platform Team
- Contributed to large-scale microservice architecture development
- Developed a REST API using AWS to relay internal system health status

Research Assistant, Northeastern University: Jan - Jun 2021
- Six month Co-op performing research on Algorithm Auditing and Fairness
- Worked under supervision of Dr. Alan Mislove and Dr. Piotr Sapiezynski
- Co-authored *Measuring Biases in a Data Broker's Coverage*
- Began StyleGAN Ad Distribution research