IRA M. GLOBUS-HARRIS

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Pronouns: they/them

RESEARCH INTERESTS

Algorithmic Fairness, Machine Learning, Differential Privacy.

EDUCATION

University of Pennsylvania, PhD in Computer Science, Expected Graduation May 2025.

Reed College, Bachelor of Arts in Mathematics and Computer Science, December 2018.

PUBLICATIONS

Globus-Harris, Ira, et al. “Model Ensembling for Constrained Optimization”. 2024.

Globus-Harris, Ira, et al. “Diversified Ensembling: An Experiment in Crowdsourced Machine Learning.” *ACM Conference on Fairness, Accountability, and Transparency (FAccT)*. 2024.

Globus-Harris, Ira, et al. “Multicalibration as Boosting for Regression." *International Conference on Machine Learning (ICML)*. 2023 (oral presentation).

Globus-Harris, Ira, et al. “Multicalibrated Regression for Downstream Fairness”. *Artificial Intelligence, Ethics, and Society (AIES)*. 2023.

Globus-Harris, Ira, et al. “An Algorithmic Framework for Bias Bounties.” *ACM Conference on Fairness, Accountability, and Transparency (FAccT)*. 2022.

Drechsler, Joerg, et al. “Non-parametric Differentially Private Confidence Intervals for the Median.” *Journal of Survey Statistics and Methodology Special Issue on Privacy.* 2022.

Diana, Emily, et al. "Lexicographically Fair Learning: Algorithms and Generalization." *Foundations on Responsible Computing (FORC)*. 2021.

Globus-Harris, Ira, et al. “Improved Differentially Private Analysis of Variance.” *Privacy Enhancing Technologies Symposium (PETS)*. 2019.

Qin, Lucy, et al. “From Usability to Secure Computing and Back Again.” *Fifteenth Symposium on Usable Privacy and Security (SOUPS)*. 2019

Dak Albab, Kinan, et al. “Tutorial: Deploying Secure Multi-Party Computation on the Web Using JIFF.” *IEEE Secure Development (SecDev)*, 2019.

EMPLOYMENT

Applied Science Intern, Amazon, Summer-Fall 2021, Summer 2023, Summer 2024.
Undergraduate Thesis Advisor, Reed College, September 2022-May 2024.

Research Software Engineer, Hariri Institute for Computing, Boston University, January 2019-July 2020.

Summer Research Fellow, Reed College, 2017- 2018.

INVITED TALKS

"Diversified Ensembling: An Experiment in Crowdsourced Machine Learning." Stanford Fairness Seminar, May 2024.

"Multicalibration as Boosting for Regression." Institute for Operations Research and Management Sciences (INFORMS) Annual Meeting, October 2023.

"Multicalibration as Boosting for Regression." Foundations on Responsible Computing (FORC), June 2023.

"An Algorithmic Framework for Bias Bounties," Institute for Operations Research and Management Sciences (INFORMS) Annual Meeting, October 2022.

"An Algorithmic Framework for Bias Bounties," Reed College Computer Science Colloquium, April 4 2022.

"Lexicographically Fair Learning: Algorithms and Generalization," Theory of Computation for Fairness Seminar, Simons Institute Collaboration, October 27 2021.

LEADERSHIP AND TEACHING

Teaching Assistant, University of Pennsylvania Computer and Information Sciences, 2021-2022.

Computer and Information Science Representative, SEAS Doctoral Diversity Advisory Board, 2021-24.

President, EngiQueers (SEAS Group for LGBTQ+ graduate students), 2021-2022.

Vice President, Graduate Students in Engineering Group, University of Pennsylvania, 2022.

HONORS AND FELLOWSHIPS

AWS AI ASSET Fellow, University of Pennsylvania, 2024.
EECS Rising Star, Georgia Tech, 2023.