

Alex Oesterling

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EDUCATION	Harvard University 2022 – Present <i>Ph.D. in Computer Science</i> <i>Advised by Prof. Flavio du Pin Calmon, Prof. Hima Lakkaraju</i>
	Duke University 2018 – 2022 <i>B.S.E. in Electrical and Computer Engineering, Computer Science</i> GPA: 3.98 <i>Advised by Prof. Guillermo Sapiro, Prof. Cynthia Rudin</i>

- PUBLICATIONS** “Fair Machine Unlearning: Mitigating Disparities during Data Deletion.” **A. Oesterling**, J. Ma, F. Calmon, H. Lakkaraju. *ICML Data Centric Machine Learning Workshop, 2023*
- “Integrated single-cell multiomic analysis of HIV latency reversal reveals novel regulators of viral reactivation.” A. Manickam, J. Peterson, Y. Harigaya, D. Murdoch, D. Margolis, **A. Oesterling**, Z. Guo, C. Rudin, Y. Jiang, E. Browne. *bioRxiv, 2022*
- “PP 1.33 – 00167 Integrated single-cell multi-omic profiling of HIV latency reversal.” A. Manickam, J. Peterson, W. Mei, D. Murdoch, D. Margolis, **A. Oesterling**, Z. Guo, C. Rudin, Y. Jiang, E. Browne. *Journal of Virus Eradication, 2022*
- “Multitask Learning for Citation Purpose Classification.” **A. Oesterling***, A. Ghosal*, H. Yu*, R. Xin*, Y. Baig*, L. Semenova, C. Rudin. *Second Workshop on Scholarly Document Processing (SDP), NAACL, 2021*
- “Detecting Motion in a Room Using a Dynamic Metasurface Antenna.” **A. Oesterling**, M. Imani, O. Mizrahi, J. Gollub, and D. Smith. *IEEE Access, 2020*
- “Distributionally Robust Group Backwards Compatibility.” M. Bertran, N. Martinez, **A. Oesterling**, and G. Sapiro. *NeurIPS Workshop DistShift, 2021*
- * denotes equal contribution

- FELLOWSHIPS & AWARDS** **NSF Graduate Research Fellowship, 2022**
Covers stipend as well as \$12000 towards tuition for three years of graduate school
- Duke George Sherrerd III Memorial Award, 2022**
Awarded annually by ECE faculty to the senior with the highest scholastic achievement and service to the community.
- Tau Beta Pi, 2021**
National engineering honor society member with high academic standing and exemplary character.
- IEEE Eta Kappa Nu, 2021**
IEEE honor society for electrical engineers with high academic standing and leadership potential.
- Pratt Fellowship, 2020**
Competitive research fellowship culminating in graduation with distinction.
- Huang Fellowship, 2019**
Competitive fellowship focused on science and its intersection with policy, ethics, and society.

TEACHING	Head Teaching Assistant, Duke First Year Design (EGR 101)	Fall 2020-2021
	Teaching Assistant, Duke First Year Design (EGR 101)	Fall 2019
WORK EXPERIENCE	Amazon Alexa	06/2021 - 08/2021
	<i>Software Development Engineering Intern</i> Improved ambient Alexa experience by introducing new use case for customers owning a single device with a screen	
LEADERSHIP	Brownstone Living Group	01/2019 – 05/2022
	<i>President, Historian</i>	
	Duke Pureun	09/2019 – 05/2022
	<i>Social Chair and Small Group Leader</i>	