

Dylan Z. Slack

Curriculum Vitae: February 12, 2021
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Education	University of California - Irvine , Irvine, CA <i>Ph.D. Computer Science</i> Advisors: Sameer Singh & Hima Lakkaraju Sep. 2019 - Present	
	Haverford College , Haverford, PA <i>B.S. Computer Science with High Honors</i> Magna Cum Laude Advisor: Sorelle Friedler Sep. 2015 - May 2019	
Research and Industry Experience	University of California - Irvine Research Assistant (UCI NLP, UCI CREATE, HPI Institute) <i>Advised by:</i> Sameer Singh & Hima Lakkaraju	Sep. 2019 - Present
	Amazon Web Services Applied Scientist Intern <i>Advised by:</i> Krishnaram Kenthapadi & Nathalie Rauschmayr	May 2020 - Sep. 2020
	Haverford College Research Assistant, Department of Computer Science <i>Advised by:</i> Sorelle Friedler	Sep. 2017 - Aug. 2019
	Swarthmore College Research Assistant, Department of Computer Science <i>Advised by:</i> Sara Mathieson	Sep. 2018 - May. 2019
Awards	Hasso Plattner Institute Fellow, 2021 Ambler Scholar, 2019	
Publications & Preprints [Scholar]	Defuse: Debugging Classifiers Through Distilling Unrestricted Adversarial Examples Dylan Slack , Nathalie Rauschmayr, and Krishnaram Kenthapadi arXiv, 2020	
	How Much Should I Trust You? Modeling Uncertainty of Black Box Explanations Dylan Slack , Sophie Hilgard, Sameer Singh, and Himabindu Lakkaraju arXiv, 2020	
	Differentially Private Language Models Benefit from Public Pre-training Gavin Kerrigan*, Dylan Slack *, and Jens Tuyls* EMNLP PrivNLP Workshop, 2020	
	Fooling LIME and SHAP: Adversarial Attacks on Post hoc Explanation Methods Dylan Slack *, Sophie Hilgard*, Emily Jia, Sameer Singh, and Himabindu Lakkaraju AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society (AIES), 2020 [Oral Presentation]	
	Fairness Warnings and Fair-MAML: Learning Fairly with Minimal Data Dylan Slack , Sorelle Friedler, and Emile Givental ACM Conference on Fairness, Accountability and Transparency (FAccT), 2020	
	Assessing the Local Interpretability of Machine Learning Models Dylan Slack , Sorelle A. Friedler, Carlos Scheidegger, and Chitradeep Dutta Roy NeurIPS Workshop on Human-Centric Machine Learning, 2019	

* denotes equal contribution.

Patents	Automatic Failure Diagnosis and Correction in Machine Learning Models Nathalie Rauschmayr, Krishnaram Kenthapadi, and Dylan Slack <i>Patent Application Filed</i>
Travel Grants	Fairness, Accountability and Transparency in Machine Learning (FAccT) <i>Barcelona, Spain (2020)</i> Neural Information Processing Systems (NeurIPS) <i>Vancouver, Canada (2020)</i>
Teaching	Machine Learning (CS 178) UC Irvine <i>Reader (2019)</i> Data Structures (CS 206) Bryn Mawr College <i>TA (2019)</i> Introduction to Data Structures (CS 106) Haverford College <i>TA (2017, 2018, 2019)</i> Introduction to Data Science (CS 104) Haverford College <i>TA (2016)</i>
Talks	Fooling LIME and SHAP: Adversarial Attacks on Post hoc Explanation Methods Aggregate Intellect, 2021 in Virtual Fairness Warnings and Fair-MAML: Learning Fairly with Minimal Data FAccT Conference, 2020 in <i>Barcelona, Spain</i>
Review Services	FAccT 2021 ICLR 2021 ICML 2020 AAAI 2020, 2021 NeurIPS 2019, 2020 KDD 2019
Press & Media	Fooling LIME and SHAP: Adversarial Attacks on Post hoc Explanation Methods, Harvard Business Review , Deeplearning.ai , Twitter