

Alexis J. Ross

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EDUCATION	Harvard University , Cambridge, Massachusetts A.B. with Honors in Computer Science and Philosophy (Joint)	May 2016 – May 2020
RESEARCH EXPERIENCE	Allen Institute for Artificial Intelligence (AI2), AllenNLP Predoctoral Researcher <i>Mentors:</i> Ana Marasović and Matthew E. Peters Harvard University, Computer Science and Philosophy <i>Mentors:</i> Himabindu Lakkaraju and Bernhard Nickel <i>Senior Thesis:</i> Explaining Blackbox Models with Linear Approximations Awarded Thomas T. Hoopes Prize for “outstanding scholarly work” by undergraduates. Microsoft Research Research Intern, Project Hanover <i>Mentor:</i> Tristan Naumann <i>Project:</i> Machine Reading for Precision Medicine Harvard University, NLP Group Research Assistant <i>Mentors:</i> Yonatan Belinkov and Alexander Rush <i>Project:</i> Probing for Neurons that Encode and Exploit Negation in BERT Johns Hopkins, Center for Language and Speech Processing Undergraduate Researcher, JSALT Workshop <i>Mentor:</i> Ellie Pavlick <i>Project:</i> General-Purpose Sentence Representation Learning Harvard University, Cognitive Neuropsychology Laboratory Research Assistant <i>Mentors:</i> Gilles Vannuscorps and Alfonso Caramazza <i>Project:</i> Object Orientation Perception	July 2020 – Present Sept 2019 – May 2020 May 2019 – Aug 2019 March 2019 – May 2019 June 2018 – Aug 2018 Feb 2017 – Aug 2017
PREPRINTS	[1] Explaining NLP Models via Minimal Contrastive Editing (MiCE). Alexis Ross , Ana Marasović, and Matthew E. Peters. In submission, 2021. [2] Ensuring Actionable Recourse via Adversarial Training. Alexis Ross , Himabindu Lakkaraju, and Osbert Bastani. In submission, 2021.	
PUBLICATIONS	[3] How well do NLI models capture verb veridicality? Alexis Ross and Ellie Pavlick. <i>EMNLP 2019</i> . Oral presentation . [4] Probing what different NLP tasks teach machines about function word comprehension. Najoung Kim, Roma Patel, Adam Poliak, Alex Wang, Patrick Xia, R Thomas McCoy, Ian Tenney, Alexis Ross , Tal Linzen, Benjamin Van Durme, Samuel R Bowman, and Ellie Pavlick. <i>*SEM, 2019</i> . Best Paper Award .	
TEACHING EXPERIENCE	CS 121: Introduction to the Theory of Computation Teaching Fellow, Harvard School of Engineering and Applied Sciences <i>Instructor:</i> Boaz Barak Awarded a Certificate of Distinction in Teaching for a student evaluation of 4.8/5.0.	Sept 2018 – Dec 2018