Alexis J. Ross

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https://alexisjihyeross.github.io/

EDUCATION	**Harvard University**, Cambridge, Massachusetts	May 2016 – May 2020
	A.B. with Honors in Computer Science and Philosophy (Joint)	

RESEARCH EXPERIENCE

Allen Institute for Artificial Intelligence (AI2), AllenNLP   July 2020 – Present
Predoctoral Researcher
Mentors: Ana Marasović and Matthew E. Peters

Harvard University, Computer Science and Philosophy   Sept 2019 – May 2020
Mentors: Himabindu Lakkaraju and Bernhard Nickel
Senior Thesis: Explaining Blackbox Models with Linear Approximations
Awarded Thomas T. Hoopes Prize for "outstanding scholarly work" by undergraduates.

Microsoft Research   May 2019 – Aug 2019
Research Intern, Project Hanover
Mentor: Tristan Naumann
Project: Machine Reading for Precision Medicine

Harvard University, NLP Group   March 2019 – May 2019
Research Assistant
Mentors: Yonatan Belinkov, Alexander Rush
Project: Probing for Neurons that Encode and Exploit Negation in BERT

Johns Hopkins, Center for Language and Speech Processing   June 2018 – Aug 2018
Undergraduate Researcher, JSALT Workshop
Mentor: Ellie Pavlick
Project: General-Purpose Sentence Representation Learning

Harvard University, Cognitive Neuropsychology Laboratory   Feb 2017 – Aug 2017
Research Assistant
Mentors: Gilles Vannuscorps and Alfonso Caramazza
Project: Object Orientation Perception

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. *EMNLP 2019*. **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. **SEM, 2019*. **Best Paper Award**.

TEACHING EXPERIENCE

CS 121: Introduction to the Theory of Computation   Fall 2018
Teaching Fellow, Harvard School of Engineering and Applied Sciences
Instructor: Boaz Barak.
Awarded a Certificate of Distinction in Teaching for a student evaluation of 4.8/5.0.