

Samuel J. Wiseman

swiseman@seas.harvard.edu

Education	Harvard University , Ph.D., Computer Science Cumulative GPA: 3.88/4.0 Research Interests: Natural Language Processing, Machine Learning Advisors: Prof. Stuart M. Shieber, Prof. Alexander M. Rush Sept. 2012 – May 2018 (Expected)
	Princeton University , A.B., Philosophy, Magna Cum Laude Certificate Program/Minor: Computer Science Cumulative GPA: 3.77/4.0 June 2010
Honors and Awards	Phi Beta Kappa , Princeton University June 2010
	Harvard Bok Center Certificate of Distinction in Teaching Spring 2014, Spring 2016 Honorable Mention for Best Paper , EMNLP 2016 Siebel Scholar 2018 Outstanding Reviewer , NAACL 2018
Conference Publications	Challenges in Data-to-Document Generation. Sam Wiseman, Alexander M. Rush, and Stuart M. Shieber. In <i>EMNLP</i> , 2017. Poster Presentation.
	Sequence-to-Sequence Learning as Beam Search Optimization. Sam Wiseman and Alexander M. Rush. In <i>EMNLP</i> , 2016. Oral Presentation. Honorable Mention for Best Paper. <ul style="list-style-type: none">• Invited for oral presentation at NIPS 2016 Deep Learning Symposium
	Learning Global Features for Coreference Resolution. Sam Wiseman, Alexander M. Rush, and Stuart M. Shieber. In <i>NAACL</i> , 2016. Oral Presentation.
	Learning Anaphoricity and Antecedent Ranking Features for Coreference Resolution. Sam Wiseman, Alexander M. Rush, Stuart M. Shieber, and Jason Weston. In <i>ACL</i> , 2015. Oral Presentation.
	Discriminatively Reranking Abductive Proofs for Plan Recognition. Sam Wiseman and Stuart Shieber. In <i>ICAPS</i> , 2014. Oral Presentation.
	Semi-Amortized Variational Autoencoders. Yoon Kim, Sam Wiseman, Andrew C. Miller, David Sontag, Alexander M. Rush. arXiv:1802.02550, February 2018.
Submitted, Workshop, and Preprint Papers	Improved Entity Tracking for Cloze-style Reading Comprehension. Luong Hoang, Sam Wiseman, Alexander M. Rush. January 2018.
	Training Language Models Using Target-Propagation. Sam Wiseman, Sumit Chopra, Marc'Aurelio Ranzato, Arthur Szlam, Ruoyu Sun, Soumith Chintala, Nicolas Vasilache. arXiv:1702.04770, February 2017.
	Antecedent Prediction without a Pipeline. Sam Wiseman, Alexander M. Rush, and Stuart M. Shieber. CORBON Workshop, June 2016. Poster Presentation.
	Extracting Multi-word, Entity-specific Topics and their Interrelations from Online Medical Forums. Sam Wiseman, Andrew Miller, Finale Doshi-Velez, and Stuart M. Shieber. MUCMD Workshop, August 2015. Oral Presentation.
Academic Internships	Facebook AI Research , New York, NY Research Intern Summer 2016, Summer 2017
	<ul style="list-style-type: none">• Research on retrieval-based text generation, with Marc'Aurelio Ranzato, Arthur Szlam, and Mike Lewis (Summer 2017)• Research on training RNNs with target-propagation, with Sumit Chopra, Marc'Aurelio Ranzato, and Arthur Szlam (Summer 2016)

Work Experience	Wireless Generation , Brooklyn, NY Software Developer, Reporting and Analytics Team	Feb. 2012 – July 2012
	Columbia University , New York, NY Research Programmer, Spoken Language Processing Group	Sept. 2011 – Jan. 2012
	Morgan Stanley , New York, NY Software Developer, Prime Brokerage Margin Calculation Team	July 2010 – June 2011
Teaching Experience	Teaching Fellow	
	• Harvard CS 287: Statistical Natural Language Processing	Spring 2016
	• Harvard CS 187: Computational Linguistics	Fall 2014
	• Harvard CS 181: Machine Learning	Spring 2014
Service	• Reviewer for: ACL, NAACL, EMNLP, ICML, ICLR, COLING, Computational Linguistics	
	• Member of Program Committee for:	
	– Coreference Beyond Ontonotes (CORBON), 2017	
	– Computational Models of Reference, Anaphora, and Coreference (CRAC), 2018	
Invited Talks	• Chair of Discourse Poster Session, EMNLP 2017	
	Invited Talk, Boston University	February 2018
	Invited Talk, Wesleyan University	February 2018
	Invited Talk, TTIC	January 2018
	NIPS Deep Learning Symposium	December 2016
	Kensho (company) Research Meeting	February 2016
	Boston Children’s Hospital NLP Lab Reading Group	September 2015
	Meaningful Use of Complex Medical Data (MUCMD) Conference	August 2015
	Harvard AI Research Group Meeting	December 2013
Open Source Projects	nn_coref (https://github.com/swiseman/nn_coref)	
	• A neural coreference system.	
	BSO (https://github.com/harvardnlp/BSO)	
	• Beam Search Optimization with seq2seq models.	
	TPRNN (https://github.com/facebookresearch/TPRNN)	
	• Training language models with target propagation	
	data2text (https://github.com/harvardnlp/data2text)	
	• A system for generating and evaluating summaries of structured data.	