

<b>Current Appointment</b>	<b>Assistant Professor</b> Duke University, Department of Computer Science	July 2021 – present
<b>Previous Appointments</b>	<b>Research Assistant Professor</b> Toyota Technological Institute at Chicago	Sept. 2018 – July 2021
<b>Education</b>	<b>Harvard University</b> , Ph.D., Computer Science Dissertation: <i>Structured Neural Models for Coreference and Generation</i> Advisors: Alexander M. Rush, Stuart M. Shieber	Sept. 2012 – May 2018
	<b>Princeton University</b> , A.B., Philosophy, Magna Cum Laude Certificate: Program in Applications of Computing	June 2010
<b>Honors and Awards</b>	<b>Best Short Paper</b> , CRAC Workshop @ EMNLP <b>Siebel Scholar</b> <b>Honorable Mention for Best Paper</b> , EMNLP <b>Harvard Bok Center Certificate of Distinction in Teaching</b> <b>Phi Beta Kappa</b> , Princeton University	2021 2018 2016 Spring 2014, 2016 June 2010
<b>Refereed Conference Publications</b>	<p>Baked-in State Probing. Shubham Toshniwal, Sam Wiseman, Karen Livescu, Kevin Gimpel. <i>Findings of EMNLP</i> 2022.</p> <p>SummScreen: A Dataset for Abstractive Screenplay Summarization. Mingda Chen, Zewei Chu, Sam Wiseman, Kevin Gimpel. <i>ACL</i>, 2022.</p> <p>Chess as a Testbed for Language Model State Tracking. Shubham Toshniwal, Sam Wiseman, Karen Livescu, Kevin Gimpel. <i>AAAI</i>, 2022.</p> <p>Data-to-text Generation by Splicing Together Nearest Neighbors. Sam Wiseman, Arturs Backurs, Karl Stratos. <i>EMNLP</i>, 2021.</p> <p>WikiTableT: A Large-scale Data-to-text Dataset for Generating Wikipedia Article Sections. Mingda Chen, Sam Wiseman, Kevin Gimpel. <i>Findings of ACL</i>, 2021.</p> <p>Learning to Ignore: Long Document Coreference with Bounded Memory Neural Networks. Shubham Toshniwal, Sam Wiseman, Allyson Ettinger, Karen Livescu, and Kevin Gimpel. <i>EMNLP</i>, 2020.</p> <p>Learning Discrete Structured Representations by Adversarially Maximizing Mutual Information. Karl Stratos and Sam Wiseman. <i>ICML</i>, 2020.</p> <p>ENGINE: Energy-Based Inference Networks for Non-Autoregressive Machine Translation. Lifu Tu, Richard Yuanzhe Pang, Sam Wiseman, and Kevin Gimpel. <i>ACL</i>, 2020.</p> <p>Discrete Latent Variable Representations for Low-Resource Text Classification. Shuning Jin, Sam Wiseman, Karl Stratos, and Karen Livescu. <i>ACL</i>, 2020.</p> <p>Amortized Bethe Free Energy Minimization for Learning MRFs. Sam Wiseman and Yoon Kim. <i>NeurIPS</i>, 2019.</p> <p>Label-Agnostic Sequence Labeling by Copying Nearest Neighbors. Sam Wiseman and Karl Stratos. <i>ACL</i>, 2019.</p>	

Controllable Paraphrase Generation with a Syntactic Exemplar. Mingda Chen, Qingming Tang, Sam Wiseman, and Kevin Gimpel. *ACL*, 2019.

A Multi-Task Approach for Disentangling Syntax and Semantics in Sentence Representations. Mingda Chen, Qingming Tang, Sam Wiseman, and Kevin Gimpel. *NAACL*, 2019.

Learning Neural Templates for Text Generation. Sam Wiseman, Stuart M. Shieber, and Alexander M. Rush. *EMNLP*, 2018.

Entity Tracking Improves Cloze-style Reading Comprehension. Luong Hoang, Sam Wiseman, and Alexander M. Rush. *EMNLP*, 2018.

Semi-Amortized Variational Autoencoders. Yoon Kim, Sam Wiseman, Andrew C. Miller, David Sontag, Alexander M. Rush. *ICML*, 2018.

Challenges in Data-to-Document Generation. Sam Wiseman, Stuart M. Shieber, and Alexander M. Rush. *EMNLP*, 2017.

Sequence-to-Sequence Learning as Beam Search Optimization. Sam Wiseman and Alexander M. Rush. *EMNLP*, 2016. Honorable Mention for Best Paper.

Learning Global Features for Coreference Resolution. Sam Wiseman, Alexander M. Rush, and Stuart M. Shieber. *NAACL*, 2016.

Learning Anaphoricity and Antecedent Ranking Features for Coreference Resolution. Sam Wiseman, Alexander M. Rush, Stuart M. Shieber, and Jason Weston. *ACL*, 2015.

Discriminatively Reranking Abductive Proofs for Plan Recognition. Sam Wiseman and Stuart Shieber. *ICAPS*, 2014.

## **Workshop and Preprint Papers**

Sequence Reducible Holdout Loss for Language Model Pretraining. Raghuveer Thirukovaluru, Bhuwan Dhingra, Sam Wiseman. To appear at SustaiNLP @ ACL 2023.

Exploring the Effect of Frequency Resolution in FNet. Greg Szumel, Ghazal Khalighinejad, Rickard Stureborg, Sam Wiseman. To appear at SustaiNLP @ ACL 2023.

BM25 Query Augmentation Learned End-to-end. Xiaoyin Chen, Sam Wiseman. arXiv:2305.14087. May 2023.

Approximating CKY with Transformers. Ghazal Khalighinejad, Ollie Liu, Sam Wiseman. arXiv:2305.02386. May 2023.

CREATIVESUMM: Shared Task on Automatic Summarization for Creative Writing. Divyansh Agarwal et al. (including Sam Wiseman). Workshop on Automatic Summarization for Creative Writing @ COLING 2022.

On Generalization in Coreference Resolution. Shubham Toshniwal, Patrick Xia, Sam Wiseman, Karen Livescu, Kevin Gimpel. CRAC Workshop @ EMNLP, 2021.

Learning Deep Latent-variable MRFs with Amortized Bethe Free Energy Minimization. Sam Wiseman. DeepGenStruct @ ICLR, 2019.

A Tutorial on Deep Latent Variable Models of Natural Language. Yoon Kim\*, Sam Wiseman\*, Alexander M. Rush. arXiv:1812.06834. EMNLP 2018 Tutorial Document.

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 @ NAACL, 2016.

## Teaching Experience

### Instructor

- Duke CS 590.03 (Now CS 572): Introduction to NLP Fall 2021
  - Co-taught with Bhuwan Dhingra
- Duke CS 590.03: Advanced Natural Language Processing Spring 2022
  - Co-taught with Bhuwan Dhingra
- Duke CS 590.03: Neurosymbolic ML Fall 2022
- Duke CS 590.06 (Now CS 574): Fundamentals of Deep Learning Spring 2023

### 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

- Publications Co-Chair: EMNLP 2022
- Organizing Committee: Creative-Summ Workshop @ COLING 2022, Midwest Speech and Language Days 2019
- Area Chair: EMNLP 2021 (Machine Learning track), ACL 2020 (Generation track), EMNLP 2020 (Generation track)
  - EMNLP 2020 Outstanding AC Award
- Reviewing: TACL, ACL ARR, EMNLP, ICML, ICLR, NeurIPS
  - NeurIPS 2021 Outstanding Reviewer Award
  - NAACL 2018 Outstanding Reviewer Award
- EMNLP 2018 Tutorial: Deep Latent Variable Models of Natural Language
- Workshop Program Committees: CORBON @ EACL 2017, CRAC @ NAACL 2018, NeuralGen @ NAACL 2019, DSNLNG @ INLG 2019, WNGT @ EMNLP 2019

## Academic Internships

### Facebook AI Research, New York, NY

Research Intern

Summer 2016, Summer 2017

- 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)