

Yoon Kim

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<http://yoon.io>

Education

- 2015–2020 Ph.D., Computer Science
Harvard University
Advisor: Alexander Rush.
- 2015 M.S., Data Science (completed part-time)
New York University
Advisor: David Sontag.
- 2012 M.A., Statistics (completed part-time)
Columbia University
- 2009 B.A., Mathematics
B.A., Economics
Cornell University

Honors

- 2018 Google Fellowship in Natural Language Processing
- 2018 Outstanding Reviewer, ACL
- 2017 Best Demo Paper Award Runner-Up, ACL
- 2014 Winner, KDD Cup
- 2009 Phi Beta Kappa, Cornell University

Professional Activities

- 2019 ICLR Workshop Co-Organizer: Deep Generative Models for Highly Structured Data
- 2018 EMNLP Tutorial: Deep Latent Variable Models of Natural Language
Reviewing: JMLR, NeurIPS (2018), EMNLP (2018), CoNLL (2018), ACL (2017, 2018), UAI (2018)

Employment

- May 2018–
Aug 2018 Research Intern
DeepMind
- May 2017–
Aug 2017 Research Intern
Facebook AI Research
- Jul 2012–
Aug 2016 Data Scientist
American International Group
- Oct 2011–
Jul 2012 Analyst
Barclays Capital
- Jul 2009–
Oct 2011 Associate
Morgan Stanley
- May 2008–
Aug 2008 Analyst Intern
Merill Lynch

Publications

(* indicates equal contribution)

- 2018 Yuntian Deng*, Yoon Kim*, Justin Chiu, Demi Guo, Alexander M. Rush. [Latent Alignment and Variational Attention](#). In *Proceedings of the 32nd Conference on Neural Information Processing Systems (NeurIPS)*. Montreal, Canada.
- Gabriel Grand, Aron Szanto, Yoon Kim, Alexander M. Rush. [On the Flip Side: Identifying Counterexamples in Visual Question Answering](#). In *Proceedings of the 24th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (Deep Learning Day)*. London, UK.
- Yoon Kim, Sam Wiseman, Andrew C. Miller, David Sontag, Alexander M. Rush. [Semi-Amortized Variational Autoencoders](#). In *Proceedings of the 35th International Conference on Machine Learning (ICML)*. Stockholm, Sweden.
- Jake Zhao*, Yoon Kim*, Kelly Zhang, Alexander M. Rush, Yann LeCun. [Adversarially Regularized Autoencoders](#). In *Proceedings of the 35th International Conference on Machine Learning (ICML)*. Stockholm, Sweden.
- Adji B. Dieng, Yoon Kim, Alexander M. Rush, David M. Blei. [Avoiding Latent Variable Collapse with Generative Skip Models](#). In *Proceedings of the ICML 2018 Workshop on Theoretical Foundations and Applications of Deep Generative Models (TADGM)*. Stockholm, Sweden.
- 2017 Allen Schmaltz, Yoon Kim, Alexander M. Rush, Stuart M. Shieber. [Adapting Sequence Models for Sentence Correction](#). In *Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing (EMNLP)*. Copenhagen, Denmark.
- Guillaume Klein, Yoon Kim, Yuntian Deng, Jean Senellart, Alexander M. Rush. [OpenNMT: Open-Source Toolkit for Neural Machine Translation](#). In *Proceedings of the 55th Annual Meeting of the Association for Computational Linguistics (System Demonstrations) (ACL)*. Vancouver, Canada.
- Yoon Kim*, Carl Denton*, Luong Hoang, Alexander M. Rush. [Structured Attention Networks](#). In *Proceedings of the 5th International Conference on Learning Representations (ICLR)*. Toulon, France.
- 2016 Yoon Kim, Alexander M. Rush. [Sequence-Level Knowledge Distillation](#). In *Proceedings of the 2016 Conference on Empirical Methods in Natural Language Processing (EMNLP)*. Austin, USA.
- Allen Schmaltz, Yoon Kim, Alexander M. Rush, and Stuart M. Shieber. [Sentence-Level Grammatical Error Identification as Sequence-to-Sequence Correction](#). In *Proceedings of the 11th Workshop on Innovative Use of NLP for Building Educational Applications (BEA)*. San Diego, USA.
- Yoon Kim, Yacine Jernite, David Sontag, Alexander M. Rush. [Character-Aware Neural Language Models](#). In *Proceedings of the Thirtieth AAAI Conference on Artificial Intelligence (AAAI)*. Phoenix, USA.
- 2014 Yoon Kim. [Convolutional Neural Networks for Sentence Classification](#). In *Proceedings of the 2014 Conference on Empirical Methods in Natural Language Processing (EMNLP)*. Doha, Qatar.
- Yoon Kim, Yi-I Chiu, Kentaro Hanaki, Darshan Hegde, Slav Petrov. [Temporal Analysis of Language through Neural Language Models](#). In *Proceedings of the ACL 2014 Workshop on Language Technologies and Computational Social Science (LTCSS)*. Baltimore, USA.

Yoon Kim, Owen Zhang. [Credibility Adjusted Term Frequency: A Supervised Term Weighting Scheme for Sentiment Analysis and Text Classification](#). In *Proceedings of the 5th Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media (WASSA)*. Baltimore, USA.

Teaching

- 2018 Co-Instructor and Teaching Fellow
CS 287: Machine Learning for Natural Language
- 2016 Teaching Fellow
CS 109: Data Science

Talks

Deep Latent Variable Models of Natural Language
KAIST (Jan 2018), Seoul National University (Jan 2018), Samsung (Jan 2018), SK Telecom (Jan 2018), Kakao Corp (Jan 2018), Naver Corp (Dec 2017).

Structured Attention Networks
OpenAI (May 2017), Boston Machine Learning Meetup (April 2017).

Character-Aware Neural Language Models
MIT (Apr 2016, Dec 2015).

Convolutional Neural Networks for Sentence Classification
City University of New York (Oct 2014).