

# Christopher David Manning

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## Professional Preparation

The Australian National University. B.A. (Hons) with First Class Honors and University Medal in Linguistics. Additional majors in Mathematics and Computer Science. 1989.

Stanford University. Ph.D. in Linguistics. Dissertation title: *Ergativity: Argument Structure and Grammatical Relations*. 1994.

## Appointments

2012–present Professor of Computer Science and Linguistics, Stanford University.

2006–2012 Associate Professor of Computer Science and Linguistics, Stanford University.

1999–2006 Assistant Professor of Computer Science and Linguistics, Stanford University.

1996–1999 Lecturer B [ $\approx$  Asst Prof.], Department of Linguistics, University of Sydney.

1994–1996 Assistant Professor, Computational Linguistics Program, Department of Philosophy, Carnegie Mellon University.

## Products (most closely related)

Drew A. Hudson and Christopher D. Manning. 2018. Compositional attention networks for machine reasoning In *Proceedings of the International Conference on Learning Representations (ICLR 2018)*. <https://arxiv.org/pdf/1803.03067>

Abigail See, Peter J. Liu, and Christopher D. Manning. 2017. Get to the point: Summarization with pointer-generator networks. In *Proceedings of ACL 2017*, pp. 1073–1083. <https://nlp.stanford.edu/pubs/see2017get.pdf>

Yuhao Zhang, Victor Zhong, Danqi Chen, Gabor Angeli, and Christopher D. Manning. 2017. Position-aware Attention and Supervised Data Improve Slot Filling. In *Empirical Methods in Natural Language Processing (EMNLP 2017)*. **Outstanding paper award**. <https://nlp.stanford.edu/pubs/zhang2017taced.pdf>

Mihail Eric, Lakshmi Krishnan, Francois Charette, and Christopher D. Manning. 2017. Key-value retrieval networks for task-oriented dialogue. In *Proceedings of the 18th Annual SIGdial Meeting on Discourse and Dialogue*, pp. 37–49. <https://nlp.stanford.edu/pubs/eric2017kvret.pdf>

Sida I. Wang, Percy Liang and Christopher D. Manning. 2016. Learning Language Games through Interaction. In *ACL 2016*. <http://nlp.stanford.edu/pubs/wang2016games.pdf>

## Products (other significant)

Jeffrey Pennington, Richard Socher and Christopher D. Manning. 2014. GloVe: Global Vectors for Word Representation. In *EMNLP 2014*. <http://nlp.stanford.edu/pubs/glove.pdf>

Richard Socher, Alex Perelygin, Jean Wu, Jason Chuang, Christopher Manning, Andrew Ng and Christopher Potts. 2013. Recursive Deep Models for Semantic Compositionality Over a Sentiment Treebank. In *EMNLP 2013*. <http://nlp.stanford.edu/pubs/SocherEtAl.EMNLP2013.pdf>

Christopher Manning, Prabhakar Raghavan, and Hinrich Schütze. 2008. *Introduction to Information Retrieval*. Cambridge University Press. <http://informationretrieval.org/>

Dan Klein and Christopher D. Manning. 2003. Accurate Unlexicalized Parsing. *ACL 2003*, pp. 423–430. **Best paper award**. <http://nlp.stanford.edu/~manning/papers/unlexicalized-parsing.pdf>

Christopher D. Manning and Hinrich Schütze. 1999. *Foundations of Statistical Natural Language Processing*. Cambridge, MA: MIT Press. <https://nlp.stanford.edu/fsnlp/>

## Synergistic Activities

Cowrote leading textbooks in Natural Language Processing and Information Retrieval.

Tutorials: Taught Deep Learning tutorial at Joint Statistical Meetings 2018 (with Ruslan Salakhutdinov), Neural Machine Translation tutorial at ACL 2016 (with Kyunghyun Cho and Thang Luong), and Deep Learning for NLP tutorials at ACL 2012 and NAACL 2013 (with Yoshua Bengio and Richard Socher). Taught earlier NLP tutorials at AAAI 2000, NIPS 2001, NAACL 2003, ACL 2003, and Digital Humanities 2011.

Developed and taught one of the first massively open online courses (MOOCs): Dan Jurafsky and Christopher D. Manning. Natural Language Processing. 70,000 students, Winter 2012.

Distribute Stanford CoreNLP, a widely used set of open source NLP tools for statistical parsing, POS tagging, named entity recognition, coreference, word segmentation, relation extraction, etc., supporting English, Chinese, Spanish, German, French, and Arabic.

Give a class on NLP at Stanford ai4all/SAILORS, a summer program for rising 10th grade girls to get them interested and involved in AI research. <http://ai4all.stanford.edu/>