Bio

Christopher Manning is a professor of computer science and linguistics at Stanford University, Director of the Stanford Artificial Intelligence Laboratory, and Co-director of the Stanford Human-Centered Artificial Intelligence Institute. He works on software that can intelligently process, understand, and generate human language material. He is a leader in applying Deep Learning to Natural Language Processing, including exploring Tree Recursive Neural Networks, neural network dependency parsing, the GloVe model of word vectors, neural machine translation, question answering, and deep language understanding. He also focuses on computational linguistic approaches to parsing, natural language inference and multilingual language processing, including being a principal developer of Stanford Dependencies and Universal Dependencies. Manning is an ACM Fellow, a AAAI Fellow, an ACL Fellow, and a Past President of ACL. He has coauthored leading textbooks on statistical natural language processing and information retrieval. He is the founder of the Stanford NLP group (@stanfordnlp) and manages development of the Stanford CoreNLP software.

ACADEMIC APPOINTMENTS

• Professor, Linguistics
• Professor, Computer Science
• Member, Bio-X
• Associate Director, Institute for Human-Centered Artificial Intelligence (HAI)

ADMINISTRATIVE APPOINTMENTS

• Associate Director, Human-Centered Artificial Intelligence Initiative (HAI), (2018- present)
• Director, Stanford Artificial Intelligence Laboratory, (2018- present)
• Faculty Director, SAIL-JD AI Research Initiative, (2017- present)

HONORS AND AWARDS

• Fellow, ACL
• Fellow, AAAI
• Fellow, ACM
PROGRAM AFFILIATIONS

• Symbolic Systems Program

PROFESSIONAL EDUCATION

• PhD, Stanford University (1994)

LINKS

• Stanford NLP Group: https://nlp.stanford.edu/
• Personal home page: https://nlp.stanford.edu/~manning/
• Google Scholar page: https://scholar.google.com/citations?user=1zmDOdwwAAAJ
• Twitter: https://twitter.com/chrmanning

Teaching

COURSES

2022-23
• Foundations of Linguistic Theory: LINGUIST 200 (Aut)
• Natural Language Processing with Deep Learning: CS 224N, LINGUIST 284, SYMSYS 195N (Win)

2021-22
• Natural Language Processing with Deep Learning: CS 224N, LINGUIST 284 (Win)
• Transformers United: CS 25 (Aut)

2020-21
• Natural Language Processing with Deep Learning: CS 224N, LINGUIST 284, SYMSYS 195N (Win)

2019-20
• Natural Language Processing with Deep Learning: CS 224N, LINGUIST 284 (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)
Nay San, Silei Xu, Michihiro Yasunaga

Orals Evaluator
Silei Xu

Master's Program Advisor
Anirudhan Badrinath, Stanley Cao, Jayendra Chauhan, Gordon Chi, Julia Chin, Marie Chu, Qi Han, Afnaan Hashmi

Doctoral Dissertation Co-Advisor (AC)
Bryan Cai, Moussa Doumbouya, Demi Guo, Tolulope Ogunremi, Zen Wu

Doctoral (Program)
Anna Goldie, John Hewitt, Eric Mitchell, Shikhar murty
Publications

PUBLICATIONS

- Human Language Understanding & Reasoning DAEDALUS
  Manning, C. D.
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- Biomedical and clinical English model packages for the Stanza Python NLP library. Journal of the American Medical Informatics Association : JAMIA
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- Answering Open-Domain Questions of Varying Reasoning Steps from Text
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- Challenges for Information Extraction from Dialogue in Criminal Law
  Hong, J., Voss, C., Manning, C. D., Assoc Computat Linguist
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- Large-Scale Quantitative Evaluation of Dialogue Agents' Response Strategies against Offensive Users
  Li, H., Soylu, D., Manning, C. D., Assoc Computat Linguist
  ASSOC COMPUTATIONAL LINGUISTICS.2021: 556-561

- Effective Social Chatbot Strategies for Increasing User Initiative
  Hardy, A., Paranjape, A., Manning, C. D., Assoc Computat Linguist
  ASSOC COMPUTATIONAL LINGUISTICS.2021: 99-110

- Understanding and predicting user dissatisfaction in a neural generative chatbot
  See, A., Manning, C. D., Assoc Computat Linguist
  ASSOC COMPUTATIONAL LINGUISTICS.2021: 1-12

- Conditional probing: measuring usable information beyond a baseline
  Hewitt, J., Ethayarajh, K., Liang, P., Manning, C. D., Assoc Computat Linguist
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- Syn-QG: Syntactic and Shallow Semantic Rules for Question Generation
  Dhole, K. D., Manning, C. D., Assoc Computat Linguist
  ASSOC COMPUTATIONAL LINGUISTICS-ACL.2020: 752–65

- Stanza: A Python Natural Language Processing Toolkit for Many Human Languages
  Qi, P., Zhang, Y., Zhang, Y., Bolton, J., Manning, C. D., Assoc Computat Linguist
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- What does BERT look at? An Analysis of BERT’s Attention
  Clark, K., Khandelwal, U., Levy, O., Manning, C. D., Assoc Computat Linguist
• Learning by Abstraction: The Neural State Machine
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• **Simple MAP Inference via Low-Rank Relaxations**
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• **Recursive Deep Models for Semantic Compositionality Over a Sentiment Treebank**
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• Tradition and Modernity in 20th Century Chinese Poetry.
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• Semantic Parsing on Freebase from Question-Answer Pairs.
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• Better Word Representations with Recursive Neural Networks for Morphology.
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• Did It Happen? The Pragmatic Complexity of Veridicality Assessment COMPUTATIONAL LINGUISTICS
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