





## Christopher Manning

Thomas M. Siebel Professor of Machine Learning, Professor of Linguistics, of Computer Science and Senior Fellow at the Stanford Institute for Human-Centered AI

 NIH Biosketch available Online

 Curriculum Vitae available Online

 Resume available Online

### CONTACT INFORMATION

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### Bio

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#### BIO

Christopher Manning is the inaugural Thomas M. Siebel Professor in Machine Learning in the Departments of Linguistics and Computer Science at Stanford University, Director of the Stanford Artificial Intelligence Laboratory (SAIL), and an Associate Director of the Stanford Institute for Human-Centered Artificial Intelligence (HAI). From 2010, Manning pioneered Natural Language Understanding and Inference using Deep Learning, with impactful research on sentiment analysis, paraphrase detection, the GloVe model of word vectors, attention, neural machine translation, question answering, self-supervised model pre-training, tree-recursive neural networks, machine reasoning, dependency parsing, and summarization, work for which he has received two ACL Test of Time Awards and the IEEE John von Neumann Medal (2024). He earlier led the development of empirical, probabilistic approaches to NLP, computational linguistics, and language understanding, defining and building theories and systems for Natural Language Inference, syntactic parsing, machine translation, and multilingual language processing, work for which he won ACL, Coling, EMNLP, and CHI Best Paper Awards. In NLP education, Manning coauthored foundational textbooks on statistical approaches to NLP (Manning and Schütze 1999) and information retrieval (Manning, Raghavan, and Schütze, 2008), and his online CS224N Natural Language Processing with Deep Learning course videos have been watched by hundreds of thousands. In linguistics, Manning is a principal developer of Stanford Dependencies and Universal Dependencies, and has authored monographs on ergativity and complex predicates. He is the founder of the Stanford NLP group (@stanfordnlp) and was an early proponent of open source software in NLP with Stanford CoreNLP and Stanza. He is an ACM Fellow, a AAAI Fellow, and an ACL Fellow, and a Past President of the ACL (2015). Manning has a B.A. (Hons) from The Australian National University, a Ph.D. from Stanford in 1994, and an Honorary Doctorate from U. Amsterdam in 2023. He held faculty positions at Carnegie Mellon University and the University of Sydney before returning to Stanford.

#### ACADEMIC APPOINTMENTS

- Professor, Linguistics
- Professor, Computer Science
- Senior Fellow, Institute for Human-Centered Artificial Intelligence (HAI)
- Member, Bio-X

#### ADMINISTRATIVE APPOINTMENTS

- Associate Director, Human-Centered Artificial Intelligence Initiative (HAI), (2018- present)

- Director, Stanford Artificial Intelligence Laboratory, (2018- present)

## HONORS AND AWARDS

- Member, National Academy of Engineering (NAE) (2025)
- Member, American Academy of Arts and Sciences (2025)
- John von Neumann Medal, IEEE (2024)
- Honorary Doctorate, University of Amsterdam (2023)
- Fellow, Association for Computing Machinery (ACM) (2013)
- Fellow, Association for Computational Linguistics (ACL) (2011)
- Fellow, AAAI (2010)

## 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=1zmDODwAAAAJ>
- Twitter: <https://twitter.com/chrmanning>

## Teaching

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### COURSES

#### 2024-25

- Foundations of Linguistic Theory: LINGUIST 200 (Aut)

#### 2023-24

- History of Natural Language Processing: CS 324H (Win)
- Natural Language Processing with Deep Learning: CS 224N, LINGUIST 284, SYMSYS 195N (Spr)

#### 2022-23

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

### STANFORD ADVISEES

#### Doctoral Dissertation Advisor (AC)

Moussa Doumbouya

#### Orals Evaluator

Chaofei Fan

#### Master's Program Advisor

Jayendra Chauhan, Derek Chong, Carlo Dino, Alex Shan, Matthew Villescas, Dylan Zhou

#### Doctoral Dissertation Co-Advisor (AC)

Chaofei Fan, Sharon Lee, Tolulope Ogunremi

#### Doctoral (Program)

Moussa Doumbouya, Lucia Zheng

## Publications

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### PUBLICATIONS

- **Quantifying large language model usage in scientific papers.** *Nature human behaviour*  
Liang, W., Zhang, Y., Wu, Z., Lepp, H., Ji, W., Zhao, X., Cao, H., Liu, S., He, S., Huang, Z., Yang, D., Potts, C., Manning, et al  
2025
- **Hallucination-Free? Assessing the Reliability of Leading AI Legal Research Tools** *JOURNAL OF EMPIRICAL LEGAL STUDIES*  
Magesh, V., Surani, F., Dahl, M., Suzgun, M., Manning, C. D., Ho, D. E.  
2025
- **A Reasoning-Focused Legal Retrieval Benchmark**  
Zheng, L., Guha, N., Arifov, J., Zhang, S., Skreta, M., Manning, C. D., Henderson, P., Ho, D. E., ACM  
ASSOC COMPUTING MACHINERY.2025: 169-193
- **AXBENCH: Steering LLMs? Even Simple Baselines Outperform Sparse Autoencoders**  
Wu, Z., Arora, A., Geiger, A., Wang, Z., Huang, J., Jurafsky, D., Manning, C. D., Potts, C.  
edited by Singh, A., Fazel, M., Hsu, D., Lacoste-Julien, S., Berkenkamp, F., Maharaj, T., Wagstaff, K., Zhu, J.  
JMLR-JOURNAL MACHINE LEARNING RESEARCH.2025: 67035-67080
- **Sneaking Syntax into Transformer Language Models with Tree Regularization**  
Nandi, A., Manning, C. D., Murty, S., Ritter, A.  
edited by Chiruzzo, L., Wang, L.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2025: 8006-8024
- **High-Accuracy Transition-Based Constituency Parsing**  
Bauer, J., Manning, C. D.  
edited by Sagae, K., Oepen, S.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2025: 26-39
- **Universal Dependencies for Sindhi**  
Bauer, J., Shah, S., Shaheer, M., Talpur, M., Sanjrani, Z., Qureshi, S., Pirzada, S., Manning, C. D., Rahman, M. U.  
edited by Bouma, G., Coltekin, C.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2025: 105-118
- **The Surprising Victory of NLP: From Philosophy to Agentic Language Models**  
Manning, C. D., ACM  
ASSOC COMPUTING MACHINERY.2025: 1
- **Handwritten Code Recognition for Pen-and-Paper CS Education**  
Islam, M., Doumbouya, M., Manning, C. D., Piech, C., ASSOC COMPUTING MACHINERY  
ASSOC COMPUTING MACHINERY.2024: 200-210
- **Statistical Uncertainty in Word Embeddings: GloVe-V**  
Vallebuena, A., Handan-Nader, C., Manning, C. D., Ho, D. E.  
edited by Al-Onaizan, Y., Bansal, M., Chen, Y. N.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2024: 9032-9047
- **pyvene: A Library for Understanding and Improving PyTorch Models via Interventions**  
Wu, Z., Geiger, A., Arora, A., Huang, J., Wang, Z., Goodman, N. D., Manning, C. D., Potts, C.  
edited by Chang, K. W., Lee, A., Rajani, N.

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ASSOC COMPUTATIONAL LINGUISTICS-ACL.2024: 158-165

- **ReportParse: A Unified NLP Tool for Extracting Document Structure and Semantics of Corporate Sustainability Reporting**  
Morio, G., In, S., Yoon, J., Rowlands, H., Manning, C.  
edited by Larson, K.  
IJCAI-INT JOINT CONF ARTIF INTELL.2024: 8749-8753
- **Predicting Narratives of Climate Obstruction in Social Media Advertising**  
Rowlands, H., Morio, G., Tanner, D., Manning, C. D.  
edited by Martins, A., Srikumar, Ku, L. W.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2024: 5547-5558
- **ReCOGS: How Incidental Details of a Logical Form Overshadow an Evaluation of Semantic Interpretation** *TRANSACTIONS OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS*  
Wu, Z., Manning, C. D., Potts, C.  
2023; 11: 1719-1733
- **Backpack Language Models**  
Hewitt, J., Thickstun, J., Manning, C. D., Liang, P.  
edited by Rogers, A., Boyd-Graber, J., Okazaki, N.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2023: 9103-9125
- **Direct Preference Optimization: Your Language Model is Secretly a Reward Model**  
Rafailov, R., Sharma, A., Mitchell, E., Ermon, S., Manning, C. D., Finn, C.  
edited by Oh, A., Neumann, T., Globerson, A., Saenko, K., Hardt, M., Levine, S.  
NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2023
- **Self-Destructing Models: Increasing the Costs of Harmful Dual Uses of Foundation Models**  
Henderson, P., Mitchell, E., Manning, C. D., Jurafsky, D., Finn, C., ACM  
ASSOC COMPUTING MACHINERY.2023: 287-296
- **Mini But Mighty: Efficient Multilingual Pretraining with Linguistically-Informed Data Selection**  
Ogunremi, T., Jurafsky, D., Manning, C. D.  
edited by Augenstein, Vlachos, A.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2023: 1251-1266
- **Grokking of Hierarchical Structure in Vanilla Transformers**  
Murty, S., Sharma, P., Andreas, J., Manning, C. D.  
edited by Boyd-Graber, J., Okazaki, N., Rogers, A.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2023: 439-448
- **Human Language Understanding & Reasoning** *DAEDALUS*  
Manning, C. D.  
2022; 151 (2): 127-138
- **Synthetic Disinformation Attacks on Automated Fact Verification Systems**  
Du, Y., Bosselut, A., Manning, C. D., Assoc Advancement Artificial Intelligence  
ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE.2022: 10581-10589
- **Memory-Based Model Editing at Scale**  
Mitchell, E., Lin, C., Bosselut, A., Manning, C. D., Finn, C.  
edited by Chaudhuri, K., Jegelka, S., Song, L., Szepesvari, C., Niu, G., Sabato, S.  
JMLR-JOURNAL MACHINE LEARNING RESEARCH.2022
- **Biomedical and clinical English model packages for the Stanza Python NLP library.** *Journal of the American Medical Informatics Association : JAMIA*  
Zhang, Y., Zhang, Y., Qi, P., Manning, C. D., Langlotz, C. P.  
2021
- **Universal Dependencies** *COMPUTATIONAL LINGUISTICS*

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de Marneffe, M., Manning, C. D., Nivre, J., Zeman, D.  
2021; 47 (2): 255-308

- **Answering Open-Domain Questions of Varying Reasoning Steps from Text**  
Qi, P., Lee, H., Sido, O., Manning, C. D., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2021: 3599-3614
- **DReCa: A General Task Augmentation Strategy for Few-Shot Natural Language Inference**  
Murty, S., Hashimoto, T. B., Manning, C. D., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2021: 1113-1125
- **Human-like informative conversations: Better acknowledgements using conditional mutual information**  
Paranjape, A., Manning, C. D., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2021: 768-781
- **Challenges for Information Extraction from Dialogue in Criminal Law**  
Hong, J., Voss, C., Manning, C. D., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2021: 71-81
- **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  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2021: 1626-1639
- **ELECTRA: PRE-TRAINING TEXT ENCODERS AS DISCRIMINATORS RATHER THAN GENERATORS** *INFORMATION SYSTEMS RESEARCH*  
Clark, K., Luong, M., Le, Q. V., Manning, C. D.  
2020
- **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
- **Universal Dependencies v2: An Evergrowing Multilingual Treebank Collection**  
Nivre, J., de Marneffe, M., Ginter, F., Hajic, J., Manning, C. D., Pyysalo, S., Schuster, S., Tyers, F., Zeman, D.  
edited by Calzolari, N., Bechet, F., Blache, P., Choukri, K., Cieri, C., Declerck, T., Goggi, S., Isahara, H., Maegaard, B., Mariani, J., Mazo, H., Moreno, A., Odijk, J., Piperidis, S.  
EUROPEAN LANGUAGE RESOURCES ASSOC-ELRA.2020: 4034-4043
- **SLM: Learning a Discourse Language Representation with Sentence Unshuffling**  
Lee, H., Hudson, D. A., Lee, K., Manning, C. D., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2020: 1551-1562
- **Pre-Training Transformers as Energy-Based Cloze Models**  
Clark, K., Luong, M., Le, Q. V., Manning, C. D., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2020: 285-294
- **RNNs can generate bounded hierarchical languages with optimal memory**  
Hewitt, J., Hahn, M., Ganguli, S., Liang, P., Manning, C. D., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2020: 1978-2010

- **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  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2020: 101–8
- **Emergent linguistic structure in artificial neural networks trained by self-supervision.** *Proceedings of the National Academy of Sciences of the United States of America*  
Manning, C. D., Clark, K. n., Hewitt, J. n., Khandelwal, U. n., Levy, O. n.  
2020
- **GQA: A New Dataset for Real-World Visual Reasoning and Compositional Question Answering** [visualreasoning.net](http://visualreasoning.net)  
Hudson, D. A., Manning, C. D., IEEE Comp Soc  
IEEE.2019: 6693–6702
- **CoQA: A Conversational Question Answering Challenge** *TRANSACTIONS OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS*  
Reddy, S., Chen, D., Manning, C. D.  
2019; 7: 249-266
- **A Structural Probe for Finding Syntax in Word Representations**  
Hewitt, J., Manning, C. D., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2019: 4129-4138
- **Answering Complex Open-domain Questions Through Iterative Query Generation**  
Qi, P., Lin, X., Mehr, L., Wang, Z., Manning, C. D., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2019: 2590-2602
- **What does BERT look at? An Analysis of BERT's Attention**  
Clark, K., Khandelwal, U., Levy, O., Manning, C. D., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2019: 276–86
- **Learning by Abstraction: The Neural State Machine**  
Hudson, D. A., Manning, C. D.  
edited by Wallach, H., Larochelle, H., Beygelzimer, A., d'Alche-Buc, F., Fox, E., Garnett, R.  
NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2019
- **BAM! Born-Again Multi-Task Networks for Natural Language Understanding**  
Clark, K., Minh-Thang Luong, Khandelwal, U., Manning, C. D., Le, Q. V., ACL  
edited by Korhonen, A., Traum, D., Marquez, L.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2019: 5931–37
- **Simpler but More Accurate Semantic Dependency Parsing**  
Dozat, T., Manning, C. D.  
edited by Gurevych, Miyao, Y.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2018: 484–90
- **Semi-Supervised Sequence Modeling with Cross-View Training**  
Clark, K., Luong, M., Manning, C. D., Le, Q. V., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2018: 1914-1925
- **Graph Convolution over Pruned Dependency Trees Improves Relation Extraction**  
Zhang, Y., Qi, P., Manning, C. D., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2018: 2205-2215
- **HOTPOTQA: A Dataset for Diverse, Explainable Multi-hop Question Answering**  
Yang, Z., Peng, Q., Zhang, S., Bengio, Y., Cohent, W. W., Salakhutdinov, R., Manning, C. D., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2018: 2369-2380
- **Textual Analogy Parsing: What's Shared and What's Compared among Analogous Facts**  
Lamm, M., Chaganty, A., Manning, C. D., Jurafsky, D., Liang, P., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2018: 82-92

- **Arc-swift: A Novel Transition System for Dependency Parsing**  
Qi, P., Manning, C. D.  
edited by Barzilay, R., Kan, M. Y.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2017: 110–17
- **Key-Value Retrieval Networks for Task-Oriented Dialogue**  
Eric, M., Krishnan, L., Charette, F., Manning, C. D., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS.2017: 37-49
- **Get To The Point: Summarization with Pointer-Generator Networks**  
See, A., Liu, P. J., Manning, C. D.  
edited by Barzilay, R., Kan, M. Y.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2017: 1073–83
- **Naturalizing a Programming Language via Interactive Learning**  
Wang, S. I., Ginn, S., Liang, P., Manning, C. D.  
edited by Barzilay, R., Kan, M. Y.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2017: 929–38
- **A comparison of Named-Entity Disambiguation and Word Sense Disambiguation**  
Chang, A. X., Spitkovsky, V., Manning, C. D., Agirre, E.  
edited by Calzolari, N., Choukri, K., Declerck, T., Goggi, S., Grobelnik, M., Maegaard, B., Mariani, J., Mazo, H., Moreno, A., Odijk, J., Piperidis, S.  
EUROPEAN LANGUAGE RESOURCES ASSOC-ELRA.2016: 860–67
- **Improving Coreference Resolution by Learning Entity-Level Distributed Representations**  
Clark, K., Manning, C. D.  
edited by Erk, K., Smith, N. A.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2016: 643–53
- **Achieving Open Vocabulary Neural Machine Translation with Hybrid Word-Character Models**  
Minh-Thang Luong, Manning, C. D.  
edited by Erk, K., Smith, N. A.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2016: 1054–63
- **A Fast Unified Model for Parsing and Sentence Understanding**  
Bowman, S. R., Gauthier, J., Rastogi, A., Gupta, R., Manning, C. D., Potts, C.  
edited by Erk, K., Smith, N. A.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2016: 1466–77
- **Learning Language Games through Interaction**  
Wang, S. I., Liang, P., Manning, C. D.  
edited by Erk, K., Smith, N. A.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2016: 2368–78
- **Understanding Human Language: Can NLP and Deep Learning Help?**  
Manning, C., Assoc Comp Machinery  
ASSOC COMPUTING MACHINERY.2016: 1
- **Combining Natural Logic and Shallow Reasoning for Question Answering**  
Angeli, G., Nayak, N., Manning, C. D.  
edited by Erk, K., Smith, N. A.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2016: 442–52
- **A Thorough Examination of the CNN/Daily Mail Reading Comprehension Task**  
Chen, D., Bolton, J., Manning, C. D.  
edited by Erk, K., Smith, N. A.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2016: 2358–67

- **Universal Dependencies v1: A Multilingual Treebank Collection**  
Nivre, J., de Marneffe, M., Ginter, F., Goldberg, Y., Hajic, J., Manning, C. D., McDonald, R., Petrov, S., Pyysalo, S., Silveira, N., Tsarfaty, R., Zeman, D.  
edited by Calzolari, N., Choukri, K., Declerck, T., Goggi, S., Grobelnik, M., Maegaard, B., Mariani, J., Mazo, H., Moreno, A., Odijk, J., Piperidis, S.  
EUROPEAN LANGUAGE RESOURCES ASSOC-ELRA.2016: 1659–66
- **Enhanced English Universal Dependencies: An Improved Representation for Natural Language Understanding Tasks**  
Schuster, S., Manning, C. D.  
edited by Calzolari, N., Choukri, K., Declerck, T., Goggi, S., Grobelnik, M., Maegaard, B., Mariani, J., Mazo, H., Moreno, A., Odijk, J., Piperidis, S.  
EUROPEAN LANGUAGE RESOURCES ASSOC-ELRA.2016: 2371–78
- **Computational Linguistics and Deep Learning** *COMPUTATIONAL LINGUISTICS*  
Manning, C. D.  
2015; 41 (4): 701-707
- **Natural Language Translation at the Intersection of AI and HCI** *COMMUNICATIONS OF THE ACM*  
Green, S., Heer, J., Manning, C. D.  
2015; 58 (9): 47-54
- **Advances in natural language processing** *SCIENCE*  
Hirschberg, J., Manning, C. D.  
2015; 349 (6245): 261-266
- **Text to 3D Scene Generation with Rich Lexical Grounding**  
Chang, A., Monroe, W., Savva, M., Potts, C., Manning, C. D.  
edited by Zong, C., Strube, M.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2015: 53–62
- **Forum77: An Analysis of an Online Health Forum Dedicated to Addiction Recovery**  
MacLean, D., Gupta, S., Lembke, A., Manning, C., Heer, J., ACM  
ASSOC COMPUTING MACHINERY.2015: 1511–26
- **Robust Subgraph Generation Improves Abstract Meaning Representation Parsing**  
Werling, K., Angeli, G., Manning, C. D.  
edited by Zong, C., Strube, M.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2015: 982–91
- **Improved Semantic Representations From Tree-Structured Long Short-Term Memory Networks**  
Tai, K., Socher, R., Manning, C. D.  
edited by Zong, C., Strube, M.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2015: 1556–66
- **Leveraging Linguistic Structure For Open Domain Information Extraction**  
Angeli, G., Premkumar, M., Manning, C. D.  
edited by Zong, C., Strube, M.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2015: 344–54
- **On-the-Job Learning with Bayesian Decision Theory**  
Werling, K., Chaganty, A., Liang, P., Manning, C. D.  
edited by Cortes, C., Lawrence, N. D., Lee, D. D., Sugiyama, M., Garnett, R.  
NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2015
- **Entity-Centric Coreference Resolution with Model Stacking**  
Clark, K., Manning, C. D.  
edited by Zong, C., Strube, M.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2015: 1405–15
- **Induced lexico-syntactic patterns improve information extraction from online medical forums.** *Journal of the American Medical Informatics Association*

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2014; 21 (5): 902-909

- **The Stanford CoreNLP Natural Language Processing Toolkit**  
Manning, C. D., Surdeanu, M., Bauer, J., Finkel, J., Bethard, S. J., McClosky, D., Assoc Computat Linguist  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2014: 55–60
- **Robust Logistic Regression using Shift Parameters**  
Tibshirani, J., Manning, C. D.  
edited by Toutanova, K., Wu, H.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2014: 124-129
- **Word Segmentation of Informal Arabic with Domain Adaptation**  
Monroe, W., Green, S., Manning, C. D.  
edited by Toutanova, K., Wu, H.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2014: 206-211
- **TransPhoner: Automated Mnemonic Keyword Generation**  
Savva, M., Chang, A. X., Manning, C. D., Hanrahan, P., ACM  
ASSOC COMPUTING MACHINERY.2014: 3725-3734
- **Faster Phrase-Based Decoding by Refining Feature State**  
Heafield, K., Kayser, M., Manning, C. D.  
edited by Toutanova, K., Wu, H.  
ASSOC COMPUTATIONAL LINGUISTICS-ACL.2014: 130-135
- **Natural Logic and Natural Language Inference** *COMPUTING MEANING, VOL 4*  
MacCartney, B., Manning, C. D.  
edited by Bunt, H., Bos, J., Pulman, S.  
2014; 47: 129–47
- **A Gold Standard Dependency Corpus for English**  
Silveira, N., Dozat, T., de Marneffe, M., Bowman, S. R., Connor, M., Bauer, J., Manning, C. D.  
edited by Calzolari, N., Choukri, K., Declerck, T., Loftsson, H., Maegaard, B., Mariani, J., Moreno, A., Odijk, J., Piperidis, S.  
EUROPEAN LANGUAGE RESOURCES ASSOC-ELRA.2014: 2897–2904
- **Event Extraction Using Distant Supervision**  
Reschke, K., Jankowiak, M., Surdeanu, M., Manning, C. D., Jurafsky, D.  
edited by Calzolari, N., Choukri, K., Declerck, T., Loftsson, H., Maegaard, B., Mariani, J., Moreno, A., Odijk, J., Piperidis, S.  
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