

MENG CHEN

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Experiences

2018.05 – present: Tech Lead, [JD AI](#)

Lead a team (10 FTEs) to make efforts to Dialogue System and AI for Art projects.

2013.12 – 2018.05: Senior Researcher, [Nuance Communications](#)

Work on statistical language modeling for cloud-side speech recognition product (Dragon Drive)

2012.07 – 2013.12: Assistant Researcher, [Sogou Inc.](#)

Performed statistical language modeling for cloud-side speech recognition products (Sogou Speech Input Method/Sogou Mobile Assistant)

2009.12 – 2010.06: Software Development Engineer Intern, [Microsoft Co., Ltd](#)

Designed and developed a tool to evaluate the accuracy of Cloud Text Input Prediction

Education

2009.09 – 2012.07: Graduate University of Chinese Academy of Sciences

Master degree of Computer Application Technology (Supervisor: [Prof. Helen Meng](#))

Master thesis: Research on Automatic Scoring of Pronunciation in Oral English Test [\[pdf\]](#)

2005.09 – 2009.07: Bachelor degree of Computer Science & Technology

Bachelor thesis: Research on Speech Recognition in the Noise Environment [\[pdf\]](#)

Publications

Lei Shen, Xiaoyu Guo, **Meng Chen**, Youzheng Wu, Yang Feng, Xiaodong He and Bowen Zhou, Compose Like Humans: Jointly Improving the Coherence and Novelty for Modern

Chinese Poetry Generation, The 2020 International Joint Conference on Neural Networks (IJCNN). 2020 (CCF Rank C) [[pdf](#)]

Meng Chen, Ruixue Liu, Lei Shen, Shaozu Yuan, Jingyan Zhou, Youzheng Wu, Xiaodong He and Bowen Zhou, The JDDC Corpus: A Large-Scale Multi-Turn Chinese Dialogue Dataset for E-commerce Customer Service, The 12th International Conference on Language Resources and Evaluation (LREC), 2020. [[pdf](#)]

Yuquan Le, Congqing He, **Meng Chen**, Youzheng Wu, Xiaodong He, Bowen Zhou, Learning to Predict Charges for Legal Judgment via Self-Attentive Capsule Network, The 24th European Conference on Artificial Intelligence (ECAI), 2020. (CCF Rank B) [[pdf](#)]

Hang Liu, Yujie Zhang, **Meng Chen**, Jinan Xu and Yufeng Chen. "A Sequence-to-Action Architecture for Character-based Chinese Dependency Parsing with Status History", The 8th CCF International Conference on Natural Language Processing and Chinese Computing (NLPCC), 2019. (CCF Rank C) [[pdf](#)]

Xiaoyu Guo, **Meng Chen**, Yang Song, Xiaodong He, and Bowen Zhou. "Automated Thematic and Emotional Modern Chinese Poetry Composition", The 8th CCF International Conference on Natural Language Processing and Chinese Computing (NLPCC), 2019. (CCF Rank C) [[pdf](#)]

Ruixue Liu, Baoyang Chen, Xiaoyu Guo, **Meng Chen**, Zhijie Qiu, and Xiaodong He. "Another AI? Artificial Imagination for Artistic Mind Map Generation", International Journal of Multimedia Data Engineering and Management (IJMDEM), Volume 10, Issue 3, Article 3, 2019. (ESCI) [[pdf](#)]

Ruixue Liu, Baoyang Chen, **Meng Chen**, Youzheng Wu, Zhijie Qiu, and Xiaodong He. "Mappa Mundi: An Interactive Artistic Mind Map Generator with Artificial Imagination". Proceedings of The 28th International Joint Conference on Artificial Intelligence (IJCAI), 2019. (CCF Rank A) [[pdf](#)]

Ruixue Liu, Baoyang Chen, Xiaoyu Guo, Yan Dai, **Meng Chen**, Zhijie Qiu, and Xiaodong He. "From Knowledge Map to Mind Map: Artificial Imagination". Proceedings of the Second International Conference on Multimedia Information Processing and Retrieval(MIPR), pages 496–501, 2019. (EI) [[pdf](#)]

Meng Chen, Erik Larsson, Eric Marshall, Rita Cheung, "Language Model Enhancement for New Challenges in NCS Mandarin", Nuance Research Conference 2018 (NRC 2018), Boston, USA. [Internal Publication]

Meng Chen, "A Practical Approach to Language Modeling for Sichuanese Dialect", in Nuance Research Conference 2017 (NRC 2017), Boston, USA. [Internal Publication]

Meng Chen, "Re-ranking Chinese Cloud Text Input Prediction with RNNLM", in Nuance Research Conference 2016 (NRC 2016). [Internal Publication]

Meng Chen and Qi Zhang, "Chinese Cloud Text Input Prediction: From Core & Linguistic Perspective", in Nuance Research Conference 2015 (NRC 2015). Montreal, Canada. [Internal Publication]

Meng Chen, Yang Song and Lan Wang, "Adapted Language Modeling for Recognition of Retelling Story in Language Learning", Proceedings of 2012 International Conference on

Audio, Language and Image Processing (ICALIP 2012). Pp. 449-453, 2012.7.16-18, Shanghai China. [\[pdf\]](#)

Meng Chen, Dean Luo and Lan Wang. "Automatic Scoring in a Task of Retelling Stories for Language Learners". Proceedings of the 15th World Multi-conference on Systemics, Cybernetics and Informatics (WMSCI 2011). Pp. 289-292, July 2011 Orlando, FL, United States. [\[pdf\]](#)