

Nan Jiang

Contact Information

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Education

Beihang University, Beijing, CN
MA.Eng. in Computer Science. Advisor: Wenge Rong.
Graduate Design: Exploration of Hierarchical Softmax for Recurrent Language Models.
Research Interests: Natural Language Processing, Machine Learning, Deep Learning.

Zhejiang University of Technology, Zhejiang, CN
B.Eng. in Computer Science, Major GPA: 4.0, Top 1 of 60.

Publications

Nan Jiang, Wenge Rong, Min Gao, Yikang Shen and Zhang Xiong. Exploration of Tree-based Hierarchical Softmax for Recurrent Language Models[C]. Proceedings of the Twenty-Sixth International Joint Conference on Artificial Intelligence (IJCAI), 2017.

Nan Jiang, Wenge Rong, Yifan Nie, Yikang Shen and Zhang Xiong. Event Trigger Identification with Noise Contrastive Estimation[J]. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2017. [code], [pdf]

Nan Jiang, Wenge Rong, Baolin Peng, Yifan Nie and Zhang Xiong. Modeling Joint Representation with Tri-Modal DBNs for Query and Question Matching[J]. IEICE Transactions on Information and Systems, 2016.

Nan Jiang, Wenge Rong, Baolin Peng, Yifan Nie and Zhang Xiong. An empirical analysis of different sparse penalties for autoencoder in unsupervised feature learning[C]. International Joint Conference on Neural Networks (IJCNN), 2015.

Yikang Shen, Wenge Rong, **Nan Jiang**, Baolin Peng, Jie Tang and Zhang Xiong. Word Embedding Based Correlation Model for Question/Answer Matching[C]. Proceedings of the Thirtieth AAAI Conference on Artificial Intelligence (AAAI), 2017.

Yifan Qian, Wenge Rong, **Nan Jiang**, Jie Tang and Zhang Xiong. Citation regression analysis of computer science publications in different ranking categories and subfields[J]. Scientometrics 110(3): 1351-1374 (2017).

Experiences

Microsoft AI and Research Group, Beijing

NLP Research Intern

Dec, 2016 - present

Clean raw text with regular expression from Reddit Website, and build up a corpus to train various neural conversation model (i.e., Seq2Seq model with optimised beam search).

Youdao, Netease Inc., Beijing

Machine Translation Research Intern

Jun, 2016 - Dec, 2016

Investigate recent advance in language modeling, implement a recurrent neural network language model with hierarchical softmax; tune the neural machine translation model with sgd, adadelat and adam algorithms for better BLEU score.

Engineering Research Center, Beihang University

Research Assistant

Sep, 2015 - Jun, 2016

Learn the basic theory on DL and implement dnn/rnn/cnn model with theano. Besides, applying these algorithms on semantic analysis and language model.

Competition

KDD Cup

Kaggle: Quora question duplication.

**Honors and
Awards**

2015 → 2016, Beihang University, The Second Prize Scholarship
2015, IEEE Society, Travel Grant of IEEE on IJCNN Conference
2015, Zhejiang University of Technology, Excellent Graduation Paper
2015, Zhejiang University of Technology, Outstanding Graduate Student
2012 → 2014, Zhejiang University of Technology, The First Prize Scholarship
2012, Zhejiang University of Technology, National Scholarship

**Computer
Skills**

Languages: Python, CUDA, C/C++, Java, Matlab, Bash;
Applications: Git, Vim, Markdown;
DL Library: Theano, Lasagne, Tensorflow, Keras.