Nan Jiang

| **Contact Information** | Department of Computer Science
Purdue University | Github: github.com/jiangnanhugo
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Research Interests Language Modeling, Generative Dialog Model, Natural Language Processing, Computational Linguistics.

Education

Beijing University of Aeronautics and Astronautics (BUAA)   **Sept., 2015 - Mar., 2018**
Master in Computer Science. Advisor: Wenge Rong.
Thsis: Exploration of Hierarchical Softmax for Recurrent Language Models.

Zhejiang University of Technology (ZJUT)   **Sept., 2011 - Jul., 2015**
Bachelor in Computer Science and Technology & Automation (double degree).
Major GPA: 4.0, Top 1 of 58.

Publications

Zhen Xu, **Nan Jiang** and Bowen Wu. LSDSCC: A Large Scale Domain-Specific Conversational Corpus for Response Generation with Diversity Oriented Evaluation Metrics. North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT), 2018.

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, pp. 1951-1957.

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, pp. 1-11.

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, pp. 1-8.

Experiences

Microsoft Research Asia   **Dec., 2017 - May., 2018**
Intern in Speech Group
- Run different embeding models and evaluate its quality;
- Use quantization methods to minimize the dumped char-embedding size;
- Build the pipeline for Confidence Measures and Rejection Model in OCR System.

Search Technology Center Asia, Microsoft   **Dec., 2016 - Sept., 2017**
Intern in XiaoICE Group
- Clean crawled conversations with regular expression from Reddit;
- Investigate current methods to improve neural conversation model;
- Attend competitions on Kaggle and contribute different deep models for the tasks.

Selected Awards

Excellent Graduates of Beijing	2018
National Scholarship, Ministry of Education	2017
Quora Question Pairs, Kaggle	8th/3307, 2017
Excellent Graduation Paper, ZJUT	2015
Outstanding Graduate Student, ZJUT	2015
National Scholarship, Ministry of Education	2011

Skills

Programming: C/C++, Python, Java, Matlab;   Tools: Git, Markdown, Bash;
Libs: Theano, Tensorflow, Caffe2;