DENG CAI (蔡登)

Department of Computer Science and Engineering, Shanghai Jiao Tong University

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Research Interests

Deep learning for natural language processing, including language structured prediction, text understanding and generation.

Education

Master of Science in Computer Science   Sept, 2015 — Mar, 2018 (expected)
Shanghai Jiao Tong University   Shanghai, China

Bachelor of Science in Computer Science   Sept, 2011 — Jul, 2015
Xiamen University (GPA 3.54, Rank **7/102**)   Xiamen, China

Academic Experience

Visiting scholar, Singapore University of Technology and Design   July, 2017 — Now.
Advisor: Prof. Yue Zhang   Singapore
Topic: Domain adaptation for syntactic analysis.

Research intern, NLP Group, Tencent AI Lab   Feb, 2017 — June, 2017
Mentor: Dr. Xiaojiang Liu   Shenzhen, China
Topic: Chatbot, customizable language generation, text style transfer.

Research assistant, Shanghai Jiao Tong University   2015—2016
Advisor: Prof. Hai Zhao   Shanghai, China
Topic: Neural word segmentation, discourse parsing.

Publications

Deng Cai, Hai Zhao Zhisong Zhang, Yuan Xin, Yongjian Wu and Feiyue Huang. Fast and Accurate Neural Word Segmentation. In Proceedings of the 55th Annual Meeting of the Association for Computational Linguistics (**ACL 2017**), Vancouver, Canada, August 2017.

Zhao Hai, **Cai Deng**, Huang Changning, Kit Chunyu. Chinese Word Segmentation, a decade review (2007-2017). The Frontier of Empirical and Corpus Linguistics, Chunyu Kit and Meijun Liu ed., China Social Sciences Press, Beijing, China, July 2017.

Deng Cai*, Hai Zhao*, Yang Xin, Yuzhu Wang and Zhongye Jia. A hybrid Model for Chinese Spelling Check. ACM Transactions on Asian and Low-Resource Language Information Processing (**TALLIP**), 2017. (*: equal contribution)

Deng Cai and Hai Zhao. Neural Word Segmentation Learning for Chinese. In Proceedings of the 54nd Annual Meeting of the Association for Computational Linguistics (**ACL 2016**) (**oral presentation**), Berlin, Germany, August 2016.

Awards & Honors (selected)

National Scholarship for Graduate Student (top 2% nationwide)   2016
Excellent Undergraduate Thesis Award   2015
Dean's Honors List. School of Information Science and Engineering, Xiamen University 2014
First-class Scholarship of Xiamen University   2014, 2013, 2012
Academic innovation scholarship of Xiamen University   2014, 2013

Gold Medal, The 5-th Fujian Provincial University Programming Contest   2014
Bronze Medal, **ACM-ICPC** Asia Regional Programming Contest (Changsha site)   2013

Professional Services

PC member/reviewer   COLING 2016, EACL 2017, ACL 2017, IJCNLP2017, LREC 2018, ACL 2018
Organization member   The 29th Pacific Asia Conf. on Language, Information and Computation
Teaching assistant   course *thinking and methods in programming* at SJTU, 2015 fall

Skills

Programming Languages   Python, C/C++, Java, PHP, SQL.
Toolkits   Dynet*, Pytorch, TensorFlow, Theano, Git, LaTeX. (*contributor)