

DENG CAI (蔡登)

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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 Shanghai Jiao Tong University	Sept, 2015 — Mar, 2018 (expected) Shanghai, China
Bachelor of Engineering in Computer Science Xiamen University (GPA 3.54, Rank 7/102)	Sept, 2011 — Jul, 2015 Xiamen, China

Academic Experience

Visiting scholar, Singapore University of Technology and Design Advisor: Prof. Yue Zhang Topic: Domain adaptation for syntactic analysis.	July, 2017 — Now. Singapore
Research intern, NLP Group, Tencent AI Lab Mentor: Dr. Xiaojiang Liu and Dr. Shuming Shi Topic: Chatbot, customizable language generation, text style transfer.	Feb, 2017 — June, 2017 Shenzhen, China
Research assistant, Shanghai Jiao Tong University Advisor: Prof. Hai Zhao Topic: Neural word segmentation, discourse parsing.	2015—2016 Shanghai, China

Publications

- Yanpeng Zhao, Victoria W. Bi, **Deng Cai**, Xiaojiang Liu, Kewei Tu and Shuming Shi. *Language Style Transfer from Non-Parallel Text with Arbitrary Styles*. **Under review**.
- **Deng Cai**, Hai Zhao, Zhisong Zhang, Yuan Xin, Yongjian Wu and Feiyue Huang. *Fast and Accurate Neural Word Segmentation for Chinese*. In Proceedings of **ACL 2017**, Vancouver, Canada.
- Zhao Hai, **Cai Deng**, Huang Changning and Kit Chunyu. *Chinese Word Segmentation, a decade review (2007-2017)*. The Frontier of Empirical and Corpus Linguistics, China Social Sciences Press, Beijing, China.
- **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 Lang. Info. Proc (**TALLIP**), 2017. (*: equal contribution)
- **Deng Cai** and Hai Zhao. *Neural Word Segmentation Learning for Chinese*. In Proceedings of **ACL 2016**, Berlin, Germany. (oral presentation)

Awards & Honors (selected)

National Scholarship for Graduate Student (top 2%, highest scholarship in China)	2016
Excellent Undergraduate Thesis Award	2015
Dean's Honors List. School of Information Science and Engineering, Xiamen University	2014
Academic Innovation Scholarship of Xiamen University (2/102)	2014, 2013
First-class Scholarship of Xiamen University	2014, 2013, 2012
Gold Medal, The 5-th Fujian Provincial University Programming Contest	2014
Bronze Medal, ACM-ICPC Asia Regional Programming Contest	2013

Skills

Programming Languages	Python, C/C++, Java, PHP, SQL.
Toolkits	Dynet*, Pytorch, TensorFlow, Theano, Git, L ^A T _E X. (*contributor)

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 <i>thinking and methods in programming</i> at SJTU, 2015 fall