

# DENG CAI (蔡登)

Department of Computer Science and Engineering, Shanghai Jiao Tong University

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## Research Interests

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

## Education

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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

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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 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

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**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, 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, 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 54th Annual Meeting of the Association for Computational Linguistics (ACL 2016) (oral presentation), Berlin, Germany, 2016.

## Awards & Honors (selected)

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National Scholarship for Graduate Student (top 2% nationwide)	2016
First-class Graduate Student Scholarship, Shanghai Jiao Tong University	2015
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

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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

## Skills

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