

## 刘一佳

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- 研究兴趣** 自然语言处理，中文分词，句法分析，以及机器学习。导师：车万翔教授。
- 教育经历**
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|--------------------------------|------------------|
| 博士研究生，哈尔滨工业大学<br>专业：计算机科学与技术   | 2014.9 - 现在      |
| 访问学生，华盛顿大学<br>导师：Noah A. Smith | 2016.10 - 2017.9 |
| 工学硕士，哈尔滨工业大学<br>专业：计算机科学与技术    | 2012.9 - 2014.7  |
| 工学学士，哈尔滨工业大学<br>专业：计算机科学与技术    | 2008.7 - 2012.7  |
- 发表论文**
- Yijia Liu**, Wanxiang Che, Huaipeng Zhao, Bing Qin, and Ting Liu. 2018. Distilling Knowledge for Search-based Structured Prediction. In *Proceedings of the 56th Annual Meeting of the Association for Computational Linguistics (ACL)*.
- Yijia Liu**, Wanxiang Che, Bo Zheng, Bing Qin, and Ting Liu. 2018. An AMR Aligner Tuned by Transition-based Parser. In *Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing (EMNLP)*.
- Yijia Liu**, Yi Zhu, Wanxiang Che, Bing Qin, Nathan Schneider, and Noah A. Smith. 2018. Parsing Tweets into Universal Dependency. In *Proceedings of the 2018 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL)*.
- Wanxiang Che, **Yijia Liu**, Yuxuan Wang, Bo Zheng, and Ting Liu. 2018. Towards Better UD Parsing: Deep Contextualized Word Embeddings, Ensemble, and Treebank Concatenation. (to appear) In *Proceedings of the CoNLL 2018 Shared Task: Multilingual Parsing from Raw Text to Universal Dependencies (CoNLL)*.
- Yutai Hou, **Yijia Liu**, Wanxiang Che, and Ting Liu. 2018. Sequence-to-Sequence Data Augmentation for Dialogue Language Understanding. (to appear) In *Proceedings of the 27th International Conference on Computational Linguistics (COLING)*.
- Haoyang Wen, **Yijia Liu**, Wanxiang Che, Libo Qin, and Ting Liu, 2018. Sequence-to-Sequence Learning for Task-oriented Dialogue with Dialogue State Representation. (to appear) In *Proceedings of the 27th International Conference on Computational Linguistics (COLING)*.
- Yijia Liu**, Wanxiang Che, Jiang Guo, Bing Qin, and Ting Liu. 2016. Exploring Segment Representations for Neural Segmentation Models. In *Proceedings of the 25th International Joint Conference on Artificial Intelligence (IJCAI)*.
- Yijia Liu**, Wanxiang Che, Bing Qin, and Ting Liu. 2016. HC-search for Incremental Parsing. In *Proceedings of the 25th International Joint Conference on Artificial Intelligence (IJCAI)*.

**Yijia Liu**, Yue Zhang, Wanxiang Che, and Ting Liu. 2015. Transition-Based Syntactic Linearization. In *Proceedings of the 2015 Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*.

**Yijia Liu**, Yue Zhang, Wanxiang Che, and Ting Liu. 2014. Domain Adaptation for CRF-based Chinese Word Segmentation using Free Annotations, In *Proceedings of the 2014 Conference on Empirical Methods in Natural Language Processing (EMNLP)*.

**Yijia Liu**, Wanxiang Che, and Ting Liu. 2013. Enhancing chinese word segmentation with character clustering. In *Chinese Computational Linguistics and Natural Language Processing Based on Naturally Annotated Big Data (CCL)*.

**Yijia Liu**, Meishan Zhang, Wanxiang Che, Ting Liu, and Yihe Deng. 2012. Micro blogs Oriented Word Segmentation System. In *Proceedings of the Second CIPS-SIGHAN Joint Conference on Chinese Language Processing*.

专利	车万翔; 刘一佳; 刘挺; 赵妍妍。一种中文分词增量学习方法, 201510604035.0
参与项目	<b>CoNLL 2018 Shared Task: Multilingual Parsing from Raw Text to Universal Dependencies</b> 2018.4 - 2018.6 我们的系统 (HIT-SCIR) 在 26 支参赛队伍中以高出第二名 2.56% 的成绩名列 <b>第一</b> 。 <ul style="list-style-type: none"><li>• 贡献了使用上下文相关的词向量、模型集成的方法, 并取得了显著性能提升。</li><li>• 开发树库融合策略。</li></ul> <b>语言技术平台 (LTP: Language Technology Platform)</b> 2013.6 - 现在 LTP 提供一系列中文自然语言处理模块和基于云端的 API 服务。 <ul style="list-style-type: none"><li>• 参与开发并维护语言技术平台。</li><li>• 参与了网站 (<a href="http://ltp-cloud.com">http://ltp-cloud.com</a>) 前端开发与 Restful API 的开发。</li><li>• 使用 Perceptron 算法重构了分词、词性标注、命名实体识别和依存句法分析模块。</li></ul>
学术服务	会议审稿人: ACL 2014, 2018, CCL 2015-2017, NLPCC 2015-2017, NAACL 2016, IJCAI 2016, SemEval 2016.
工作经历	研究助理 新加坡科学与设计大学 2013.10 - 2014.10 导师: 张岳, 从事机器翻译、中文序列标注以及基于转移的依存句法分析相关研究  实习研发工程师 百度公司, 自然语言处理部 2011.7 - 2011.11 query 模版挖掘, libwordseg 的 python 封装
技术经验	编程语言: C, C++, Python, R, Shell, PHP, Java 操作系统: Linux (有两年系统管理员经验) 软件经验: SVN, Git, Valgrind, Apache, Nginx, django (Python)
所获奖励	黑龙江省科学进步一等奖: 语言技术平台及其应用 2016.9 华为企业奖学金 (博士阶段) 2016.9 国家奖学金 (硕士阶段) 2013.9 2010 ACM/ICPC 亚洲区赛杭州现场赛银奖 2010.10 华为企业奖学金 (本科阶段) 2010.9