

Personal Information

Name Zhanming Jie
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Education

- 2016–2020 **PhD Candidate in Information Systems Technology and Design**,
Singapore University of Technology and Design, Singapore,
Supervisor: Prof. Wei Lu.
- 2014–2015 **Doctoral Program in Department of Electronic and Computer Engineering**,
The Hong Kong University of Science and Technology, Hong Kong,
Supervisor: Prof. James She.
- 2010–2014 **Bachelor in School of Automation Engineering**,
University of Electronic Science and Technology of China, China,
GPA – **3.91/4**. Department Ranking: **6/193**.

Professional Experience

- May 2020 – **NLP Scientist**,
AI Lab, ByteDance Singapore.
Working on natural language understanding
- Oct 2019 – **Research Intern**,
Feb 2020 DAMO Academy, Alibaba Singapore.
Worked on low-resource languages
- June 2019 – **Research Intern**,
Sept 2019 Allen Institute for Artificial Intelligence.
Worked on question answering
- Feb 2014 – **Research Intern**,
May 2014 Singapore University of Technology and Design, Supervised by Prof. Wei Lu.
Worked on multilingual semantic parsing and statistical machine translation.
- Dec 2013 **Research Assistant**,
–Feb 2014 Shanghai Jiao Tong University, Supervised by Jin Yaohui.
Software defined network related research

Activities

- Active maintainer for **StatNLP Structured Prediction Framework** (<https://github.com/sutd-statnlp/statnlp-neural>)
- PC/Reviewers: ACL 2020, EMNLP 2020, NLPCC 2020, EMNLP 2019, NAACL 2019, AAAI 2019, EMNLP 2018, PACLIC 2018, IJCNLP 2017, NLPCC 2017, IEEE Transactions on Emerging Topics in Computing

2. Reviewers: IEEE Transactions on Emerging Topics in Computing, Natural Language Engineering

Awards

- Feb 2017 **Student Scholarship Award**, AAAI Conference
- 2016–2020 **SUTD President's Graduate Fellowship**, SUTD
- Jul 2015 **Research Travel Grant**, HKUST
- 2014–present **Postgraduate Studentship**, HKUST
- Aug 2014 **Outstanding Volunteer**, Zhongshan, Guangdong, China
- Jul 2014 **Excellent Graduation Thesis** and **Excellent Graduate Student**, UESTC
- Mar 2013 **The Innovation Fund's Project** of Oscilloscope High-speed Data Acquisition Channel, UESTC.
- Mar 2013 **The Third Prize in "UESTC CUP"** Mobile Application Design Contest
- 2012–2013 **First-Class People's Scholarship** (Top 6%) UESTC
- Oct 2012 **The Second Prize in "Ecovacs"** Intelligent Robot Design Contest, UESTC
- 2011–2012 **Samsung Enterprise Scholarship** (Top 3%) UESTC
- 2010–2011 **Awarded The Title of "Eagle Plan"** in School of Automation Engineering, UESTC
- 2010–2011 **National Inspirational Scholarship** (Top 3%) UESTC

Publications

- [1] Liying Cheng, Yan Zhang, Dekun Wu, **Zhanming Jie**, Lidong Bing, Wei Lu, Luo Si. "Knowledge Graph Empowered Entity Description Generation." *In Arxiv*. 2020.
- [2] **Zhanming Jie**, and Wei Lu. "Dependency-Guided LSTM-CRF for Named Entity Recognition." *In Proceedings of EMNLP*. 2019.
- [3] **Zhanming Jie**, Pengjun Xie, Wei Lu, Ruixue Ding and Linlin Li. "Better Modeling of Incomplete Annotations for Named Entity Recognition." *In Proceedings of NAACL*. 2019.
- [4] **Zhanming Jie**, and Wei Lu. "Dependency-based Hybrid Tree for Semantic Parsing." *In Proceedings of EMNLP*. 2018.
- [5] Chu Guo, **Zhanming Jie**, Wei Lu and Dario Poletti. "Matrix Product Operators for Sequence to Sequence Learning." *In Physical Review E*. 2018.
- [6] **Zhanming Jie**, Aldrian Obaja Muis, and Wei Lu. "Efficient Dependency-Guided Named Entity Recognition." *In Proceedings of AAAI*. 2017.
- [7] Ming Cheung, James She and **Zhanming Jie**. "Connection Discovery using Big Data of User Shared Images in Social Media." *IEEE Transactions on Multimedia*, 17(9), 1417-1428. 2015.
- [8] **Zhanming Jie**, Ming Cheung and James She. "A Cloud-assisted Framework for Bag-of-Feature Tagging in Social Networks." *In Proceedings of IEEE NCCA*. 2015.
- [9] Alvin Junus, Ming Cheung, James She, **Zhanming Jie**. "Community-Aware Prediction of Virality Timing Using Big Data of Social Cascades" *In Proceedings of IEEE BigDataService*. 2015.
- [10] **Zhanming Jie**, and Wei Lu. "Multilingual Semantic Parsing: Parsing Multiple Languages into Semantic Representations." *In Proceedings of COLING*. 2014.