

YUE ZHANG

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Westlake Institute for Advanced Study
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HIGHLIGHTS

- 20+ years of research experience in natural language processing.
- Significant contributions in structured prediction methods for NLP, Chinese NLP, reasoning for language models, and out-of-distribution generalization in NLP.
- Authoring two books, 40+ top journal articles and 300+ top conference papers.
- Authoring 90+ ACL papers.
- Google Scholar Citations 30000+, h-index 87.
- Serving as program committee co-chair of EMNLP 2022 and CCL 2020.
- Serving as Tutorial co-chair for ACL 2020, and test-of-time award committee co-chair for ACL 2024 and ACL 2025.
- Serving as (senior) area chairs for ACL, NAACL, EMNLP, COLING, IJCAI, among other top conferences on segmentation, syntax, semantics, information extraction, sentiment, text generation, and summarization.
- Serving as action editor for Transactions for ACL (TACL).
- Serving as associate editor for IEEE/ACM Transactions on Audio, Speech and Language processing (TASLP), ACM Transactions on Asian and Low-Resource Languages (TALLIP), IEEE Transactions on Big Data (TBD) and Computer, Speech and Language (CSL).
- Giving 5 tutorials at ACL, NAACL and EMNLP, serving as tutorial co-chair for ACL 2020.
- Co-organizing workshops for NAACL, ACL SRW and SIGHAN.
- Best paper award for IALP 2017, COLING 2018 and SemEval 2020 (honorable mention).
- Nomination for Best Paper for ACL 2018 (Demo) and ACL 2023.
- Research funding secured for 20M + RMB at Westlake University.
- Advising 34 PhD students, 21 of whom have graduated.
- Author of the Cambridge University Press book *Natural Language Processing*.
- Leading 1 graduate course and 3 undergraduate courses at Westlake University.
- Teaching the online course for NLP, with 30,000+ views on Bilibili.com, and 10,000+ attendances on MOOC.
- Serving as the associate dean for the School of Engineering, Westlake University.

EMPLOYMENT

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| Tenured Full Professor | Westlake University | Jun 2022 – Present |
| My research interests include natural language processing, its underlying machine learning algorithms, downstream applications and large language model. | | |

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| Associate Professor | Westlake University | Sep 2018 – Jun 2022 |
| Research interests: natural language processing, machine learning and text mining, working on machine learning and inference algorithms for structural prediction, statistical parsing, Chinese syntactic processing, text generation, machine translation, text summarization, dialogue system, information extraction, sentiment analysis and financial market predication. | | |

Assistant professor Singapore University of Technology and Design (SUTD) Jul. 2012 – Aug. 2018
Led the natural language processing research lab. Served as the undergraduate committee chair, contributing to the curriculum design and capstone design of the Information Science Department.

Honorary Fellow AARC, NUS, Singapore Mar. 2017 – present
Research on AI and text mining for finance.

Postdoctoral research associate University of Cambridge, UK Mar. 2010 – Jun. 2012
Research project (EU FP7): Feedback Analysis for User adaptive Statistical Translation (FAUST).
Objectives: automatic analysis and grammaticality improvement of machine translation output.

Systems programmer Abing Group Ltd., UK Jul. 2003 – Sep. 2005
Design and development of Abing Messaging: over 70,000 lines of code in Python and C++.

EDUCATION

DPhil computer science University of Oxford, UK Oct. 2006 – Dec. 2009
British National Oversea Research Student (ORS) Scholarship and Clarendon Fund (full scholarship) for DPhil research.
Nominated to enter the 2010 best British PhD dissertation in computer science competition.
Thesis title: Discriminative learning approaches for the statistical processing of Chinese.

MSc computer science (distinction) University of Oxford, UK Oct. 2005 – Sep. 2006
Won both *the best overall performance award* and the *Richard Bird prize for the best thesis*.
The only one in class scoring A⁺ for all 7 subjects: a very rare performance for Oxford MSc.
Thesis title: Chinese-English statistical machine translation by parsing.

BEng computer science (distinction) Tsinghua University, China Sep. 1999 – Jul. 2003
Won scholarships from Lenovo (2000), Nortel Networks (2001) and Tsinghua University (2002).
GPA 3.77/4.0, 2nd in class; total credits 1st in class.
Thesis title: An implementation of MPICH upon VIA user level communication.

TEACHING

| | | | |
|---|---|-----------|----------------------|
| Natural Language Processing (2 hours \times 16 weeks) | 2025, 26. Spring term | Westlake | undergraduate course |
| Natural Language Processing (2 hours \times 16 weeks) | 2024, 25. Autumn term | Westlake | graduate course |
| Natural Language Processing (2 hours \times 16 weeks) | 2022, 23. Spring term | Westlake | graduate course |
| Introduction to Computer (2 hours \times 16 weeks) | 2023. Autumn term | Westlake | undergraduate course |
| Machine Learning (3 hours \times 4 weeks) | 2020, 21. Spring term | Westlake | graduate course |
| Academic English Writing (co-teaching, 2 hours \times 3-4 weeks) | 2019, 20, 21. Autumn term | Westlake | graduate course |
| Data Structure and Algorithm (co-teaching, 3 hours \times 4 weeks) | 2019. Autumn term | Westlake | graduate course |
| Digital World | 2015,14, 13. Spring term | SUTD | sophomore course |
| Capstone Projects | 2018, 16, 15. Spring and summer terms | SUTD | undergraduate |
| Computation Structures | 2018, 17, ..., 13. Fall term | SUTD | pillar course |
| Natural Language Processing | 2016. Jul. | ZZU | guest lectures |
| Natural Language Processing | 2018, 17, ..., 14 | HIT | guest lectures |
| Python and Computer Programming | 2013. Aug. | HIT | guest lectures |
| Advanced Java programming | 2013, 12 | SUTD | summer lectures |
| C/C++ | 2011 | Cambridge | supervisor |
| Statistical Machine Translation | 2011 | Cambridge | demonstrator |
| Natural Language Processing | 2010 –11 | Cambridge | supervisor |
| Advanced Topics in Natural Language Processing | 2008 | Oxford | tutor |
| Introduction to Specification | 2007 | Oxford | teaching assistant |

UNIVERSITY SERVICES

Westlake University

Associate Dean, SoE (Nov, 2023 —);
 Ethics Committee, SoE (Jun, 2021 —);
 Publicity Committee, SoE (Sep, 2020 —Sep 2022);
 Conference Committee, SoE (Sep, 2021 —Sep 2023);
 Undergraduate Committee, SoE (**Chair**, May, 2021 —Nov 2023);
 Executive Committee, SoE (Aug, 2021 —);
 Graduate Committee, SoE (Sep, 2019 —Nov 2023).

Singapore University of Technology and Design (SUTD)

Graduate Committee, ISTD (Aug. 2016 – Jul 2017);
 Admissions Committee of the MIT-SUTD Dual Masters Programme (2015);
 Undergraduate Committee, ISTD (Member, Jul 2017 -; **chair**, Sep.2012 – Aug. 2014);
 University Curriculum Committee (Jan. 2013 – Aug. 2014);
 the SUTD Junior College attachment program (2015, 14), the SUTD Immersion Program (2014),
 and the Science Mentorship Program Singapore (2013; merit award).

RESEARCH

Grants:

PI. Industry Grant. Sponsor: Tencent Inc. Frontiers on the applications of natural language understanding and generation (RMB 400K). Jul 2021 – Jul 2022
Collaborator. Singapore MOE Tier3 grant. The Science of Certified AI (S\$9.34M). Jul 2021 – Jun 2026
PI. Industry Grant. Sponsor: Xinhua News Agency. Research on stance detection in news domain (RMB 250K). Jun 2021 – Jun 2022
PI. Industry Grant. Sponsor: Tencent Inc. Research on general dialogue state tracking (RMB 300K). Apr 2021 – Dec 2022
PI. Industry Grant. Sponsor: Hangzhou Feizhu Inc. Research on labeling videos and excersices (RMB 400K). Mar 2021 – Mar 2022
PI. Industry Grant. Sponsor: Alibaba Damo Inc. Research on open-domain text information extraction (RMB 478K). Jun 2020 – Jun 2021
PI. Industry Grant. Sponsor: Lan-bridge Inc. Research on Lan-bridge machine translation system (RMB 1.5M). Sep 2020 – Aug 2023
PI. Industry Grant. Sponsor: Tencent Inc. Research on semantic generation technologies for dialogue system (RMB 300K). Jun 2020 – Mar 2021
PI. NSFC Grant. Knowledge extraction and fusion for cross-domain constituent parsing (RMB 610K). Jan 2020 – Dec 2023
PI. Industry Grant. Sponsor: Alibaba Damo Inc. Research on new architectures on neural machine translation (RMB 300K). Sep 2019 – Aug 2020
PI. Industry Grant. Sponsor: Tencent Inc. Research on high-quality semantic analysis techniques for dialogue systems (RMB 300K). Sep 2019 – Aug 2020
PI. Industry Grant. Sponsor: Brightdreams Robtics Inc. Natural language processing and its application on text generation (RMB 10M). Jul. 2019 – Dec. 2020
PI. Industry Grant. Sponsor: Tuiwen Inc. Tuiwen entity extraction and machine translation system (RMB 600K). Oct 2018 – Oct 2020
PI. Industry Grant. Sponsor: Rxhui Inc. Text intelligence research for china capital market (RMB 780K). Sep 2018 – Sep 2019
PI. MoE Grant. Text intelligence research for china capital market (RMB 3M). Jan 2019 – Dec 2021
PI. SUTD. Industry Grant. China Capital Market and Unstructured Data (S\$324K). Mar 2017 – Feb 2018
PI. SUTD. Temasek Laboratory seed grant. Deep learning for Singlish parsing. (S\$49K) Aug 2016 – Aug 2017
PI for WP2. SUTD. MINDEF grant. Cross-functional information systems for decision making. (S\$4.6M; with 660K for WP2) Dec 2014 – Dec 2017
Co-PI. SUTD-STE corporate lab project 1 (Big data analysis S\$4.9M) and project 3 (Malicious insider detection S\$4.9M). Sep 2016 – Sep 2019
PI. SUTD. Singapore MOE Tier2 grant. Statistical machine translation by syntactic transfer (S\$575K). Jun 2013 – Jun 2016

Research Students:

| | | | |
|----------------|-----|-------------------------|---------------------|
| Qiujie Xie | PhD | advisor (Sep. 2025 – .) | Westlake University |
| Han Cui | PhD | advisor (Sep. 2025 – .) | Westlake University |
| Junshu Pan | PhD | advisor (Sep. 2024 – .) | Westlake University |
| Shulin Huang | PhD | advisor (Sep. 2024 – .) | Westlake University |
| Hongbo Zhang | PhD | advisor (Sep. 2023 – .) | Westlake University |
| Minjun Zhu | PhD | advisor (Sep. 2023 – .) | Westlake University |
| Wenyang Gao | PhD | advisor (Sep. 2022 – .) | Westlake University |
| Guangsheng Bao | PhD | advisor (Sep. 2022 – .) | Westlake University |

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| Fang Guo | PhD | advisor (Sep. 2021 – .) | Westlake University |
| Qingkai Min | PhD | advisor (Sep. 2021 – .) | Westlake University |
| Sixuan Wu | PhD | Co-advisor (Sep. 2020 – .) | Westlake University |
| Yaoxian Song | PhD | Co-advisor (Sep. 2020 – .) | Westlake University |
| Yun Luo | PhD | advisor (Sep. 2020 – .) | Westlake University |
| Yongjing Yin | PhD | advisor (Sep. 2020 – .) | Westlake University |
| Yafu Li | PhD | advisor (Sep. 2020 – .) | Westlake University |
| Yulong Chen | PhD | advisor (Sep. 2019 – .) | Westlake University |
| Xuefeng Bai | PhD | advisor (Sep. 2019 – .) | Westlake University |
| Cunxiang Wang | PhD | advisor (Sep. 2019 – .) | Westlake University |
| Leyang Cui | PhD | advisor (Sep. 2018 – June 2022.) | Westlake University |
| Qiankun Fu | PhD | advisor (Sep. 2018 – June 2022.) | Westlake University |
| Yile Wang | PhD | advisor (Sep. 2018 – June 2022.) | Westlake University |
| Hanmeng Liu | PhD | advisor (Sep. 2018 – .) | Westlake University |
| Jian Liu | PhD | advisor (Sep. 2018 – June 2022.) | Westlake University |
| Chen Jia | PhD | advisor (Sep. 2018 – June 2023.) | Westlake University |
| Lu Cao | PhD | advisor (Sep. 2016 – June. 2020.) | SUTD |
| Gary Goh | PhD | advisor (Sep. 2016 – .) | SUTD |
| Shuailong Liang | PhD | advisor (Sep. 2015 – July. 2020) | SUTD |
| Fei Dong | PhD | advisor (Sep. 2013 – Mar. 2018) | SUTD |
| Zhiyang Teng | PhD | advisor (Jan. 2015 – Aug. 2018) | SUTD |
| Jie Yang | PhD | advisor (Sep. 2014 – Jul. 2018) | SUTD |
| Vo Duy Tin | PhD | advisor (Sep. 2013 – Aug. 2017) | SUTD |
| Cher Pei Hua | PhD | external advisor (Jun. 2013 – May 2015) | QUT, Australia |
| Hussan Dugum | MSc | co-supervisor (Sep. 2013 – Sep. 2014) | SUTD/MIT |
| Yang Liu | MPhil | thesis (distinction) supervisor (2012) | University of Cambridge |

Examiners:

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| Yingying Meng | PhD | external examiner (2025) | City University of Hong Kong, Hong Kong, China |
| Yuwei Wan | PhD | external examiner (2025) | City University of Hong Kong, Hong Kong, China |
| Virgile Rennard | PhD | external examiner (2025) | Ecole Polytechnique, France |
| Zihan Wang | PhD | external examiner (2024) | University of Amsterdam, Netherlands |
| Abelardo Carlos Martínez Lorenzo | PhD | external examiner (2024) | University of Rome, Italy |
| Fajri Koto | PhD | external examiner (2023) | University of Melbourne, Australia |
| Leonardo Ribiero | PhD | external examiner (2022) | TU Darmstadt, Germany |
| Linfeng Song | PhD | external examiner (2019) | Rochester University, US |
| Yan Shao | PhD | the opponent (2018) | Oppsala University, Sweden |
| Dong Wang | PhD | external examiner (2017) | Tsinghua University, China |
| Dominick Ng | PhD | external examiner (2016) | University of Sydney, Australia |
| Richard Billingsley | PhD | external examiner (2015) | University of Sydney, Australia |

Postdoctoral Researchers at Westlake University:

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| Yingjie Li | PhD from University of Illinois at Chicago, United States | May 2023 – |
| Qiji Zhou | PhD from Wuhan University, China | May 2023 – |
| Linyi Yang | PhD from University College Dublin, Ireland | Nov 2021 – |

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| Lu Cao | PhD from SUTD, Singapore | July 2021 – |
| Zhiyang Teng | PhD from SUTD, Singapore | Sep. 2018 – |
| Qi He | PhD from UESTC, China | Dec 2018 – Aug 2020 |

Research Assistants at Westlake University:

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| Panzhong Lu | MSc from Tianjin University | Feb. 2023 – |
| Peiming Guo | MSc from Tianjin University | Jan. 2023 – |
| Pai Liu | BEng from NEU, China | Jul. 2021 – Aug. 2023 |
| Sen Yang | BEng from XJTU, China | Nov. 2020 – |
| Zebin Ou | BEng from SUSTech, China | Apr. 2020 – May 2023 |
| Guangsheng Bao | Msc from USTC, China | Jun. 2019 – Sep.2022 |
| Yuefeng Shi | MSc from University of Manchester | Sep. 2018 – May 2023 |
| Chenhua Chen | MSc, Saarland University | Sep. 2018 – |
| Qinkai Min | MSc from NUAA, China | Sep. 2019 – Jul. 2021 |
| Wenyu Du | MSc from University of Southampton | Sep. 2018 – Mar. 2021 |
| Yuan Zhang | MSc from Institute of Computing Technology, CAS | Sep. 2018 – Dec. 2019 |
| Leilei Gan | MSc from Nanjing University | Oct. 2018 – Aug. 2019 |

Talks

Conference Tutorials and Panels

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| 2025 | Associate for Computational Linguistics (ACL) | Ed Hovy, Mirella Lapata, Dan Roth, and Yue Zhang | Generalization for NLP A Main Conference Panel |
| 2025 | Annual AAAI Conference on AI (AAAI) | Kaijie Zhu, Jindong Wang, Linyi Yang, Yue Feng, and Yue Zhang | Evaluating Large Language Models: Challenges and Methods |
| 2022 | North American Chapter of the Association for Computational Linguistics (NAACL) | Rui Zhang, Yangfeng Ji and Yue Zhang | Contrastive learning for NLP |
| 2021 | ADL, Chinese Computer Federation (CCF) | Yue Zhang | Graph Neural Networks in NLP |
| 2019 | ATT14, Chinese Information Processing Society of China (CIPS) | Yue Zhang | Graph Neural Networks in NLP |
| 2018 | Empirical Methods on Natural Language Processing (EMNLP) | Yue Zhang | Joint Models in NLP |
| 2017 | The International Joint Conference on Natural Language Processing (IJCNLP) | Wanxiang Che and Yue Zhang | Deep Learning for Syntactic and Semantic Analysis |
| 2017 | The China National Conference on Computational Linguistics (CCL) | Yue Zhang | Joint Models for NLP |
| 2016 | The Empirical Methods for Natural Language Processing (EMNLP) | Yue Zhang and Duy-Tin Vo | Neural Network for Sentiment Analysis |
| 2016 | The China Conference on Computational Linguistics (CCL) | Wanxiang Che and Yue Zhang | Deep Learning for Syntactic and Semantic Analysis |
| 2014 | The Annual Meeting of the Association for Computational Linguistics (ACL) | Yue Zhang , Meishan Zhang, and Ting Liu | Syntactic Processing Using Global Discriminative Learning and Beam-Search Decoding |
| 2010 | The Annual Conference of the North American Chapter of the Association for Computational Linguistics (HLT:NAACL) | Qin Iris Wang and Yue Zhang | Recent Advances in Dependency Parsing |

Seminar Chair

2021 CCF-NLP Seminar Series - Shandong University
2021 CCF-NLP Seminar Series - Westlake University
2021 CCF-NLP Seminar Series - Nanjing University of Posts and Telecommunications
2020 CCF-NLP Seminar Series - Central China Normal University
2020 CCF-NLP Seminar Series - Shenzhen University
2020 CCF-NLP Seminar Series - Xinjiang University
2020 CCF-NLP Seminar Series - Hebei University of Science And Technology
2020 CCF-NLP Seminar Series - Tianjin University and Nankai University
2020 CCF-NLP Seminar Series - Zhengzhou University
2020 CCF-NLP Seminar Series - South China University of Technology

PROFESSIONAL SERVICE

Editor and reviewer for journals:

Computational Linguistics (2010, 11, 12, 13, 14, 15, 16, 17, 18), *Transaction of the Association of Computational Linguistics (TACL)* (2015–19 [**standing review committee**], 2019–[**action editor**]), *Artificial Intelligence* (2019), *Natural Language Engineering* (2012), *Computer, Speech and Language* (2010, 13, 14, 15, 17, 18, 20, 21, 23– [**associate editor**]) *Journal of Artificial Intelligence Research* (2015), *IEEE Transactions on Affective Computing* (2020), *IEEE Transactions on Big Data* (2018– [**associate editor**]), *IEEE Transactions on Neural Networks and Learning Systems* (2020, 21), *IEEE/ACM Transactions on Audio, Speech and Language Processing* (2013, 14, 15, 17, 19, 20, 21, 2022– [**associate editor**]), *ACM Transactions on Asian and Low-resource Language Information Processing* (2011, 13, 14, 16– [**associate editor**]), *ACM Computing Surveys* (2020, 21), *IEEE Transaction on Knowledge and Data Engineering (TKDE)* (2021, 22), *IEEE Transaction on Learning Technologies* (2017), *Language Resources and Evaluation Conference (LREC)* (2014, 16), *Frontiers of Information Technology and Electronic Engineering* (2018–[editorial board]), *Neural Computation* (2021), *Journal of Logic and Computation* (2012), *Knowledge and Information Systems* (2010, 11), *Computational Intelligence* (2010, 13, 16), *the International Journal of Artificial Intelligence* (2009), *Journal of Computer Science and Technology* (2013, 17, 20), *Computing and Informatics* (2013), *Big Data Research* (2015), *Science China* (2020, 21), *CAAI Transactions on Intelligence Technology* (2020) and *Lingua Sinica* (2015).

PC for conferences:

ACL (2008, 09, 12, 13, 14, 15 [best paper committee], 16, 17 [**area chair** for syntax], 18 [**area chair** for syntax], 19 [**area chair** for sentiment], 20 [**senior area chair; tutorial chair** for segmentation], 21 [**area chair** for syntax], 22 [**area chair** for syntax], 24 [**test-of-time committee co-chair**], 25 [**senior area chair, test-of-time award committee co-chair, best paper committee member**]), EMNLP (2009, 10, 12 [**best reviewer award**], 13, 14, 15 [**area chair** for syntax], 16, 17 [**area chair** for syntax], 18, 19 [**senior area chair** for syntax], 20 [**senior area chair** for semantics], 21 [**senior area chair** for sentiment], 22 [**PC chair**]), 24 [**senior area chair** for evaluation], 25 [**senior area chair** for generalization], COLING (2012, 14 [**area chair** for syntax], 16, 18 [**area chair** for syntax], 20, 22 [**senior area chair** for generation, summarization and simplification], 24), NAACL (2010, 12, 15 [**area chair** for syntax], 19 [**area chair** for generation], 21 [**senior area chair** for summarization]), EACL (2012, 14, 17, 21 [**area chair** for syntax]), AACL (2020 [**area chair** for sentiment]), CoNLL (2019), CoLM (2024 [**area chair**], 25 [**area chair**]), AAAI (2012, 16, 17, 18, 19, 21 [**senior PC member**], 22 [**senior PC member**]), IJCAI (2013, 17 [**senior PC member**], 18 [**senior PC member**], 19 [**senior PC member**], 20 [**senior PC member**], 21 [**area chair**], 24 [**senior PC member**], 25 [**senior PC member**]), CoLM (2024 [**area chair**]), ICML (2022), NeurIPS (2022), UAI (2022), SIGIR (2018), IJCNLP (2011, 13 [session chair], 17 [**workshop chair**]), ROCLING (2014), CCL (2015, 16 [**area chair**], 17 [**area chair**], 18, 19 [**area chair**], 20 [**PC chair**]), NLPCC (2014 [**area chair**], 15, 16 [**area chair**],

18 [best paper committee], 19 [**student workshop chair**], 21 [best paper committee]), SemEval (2021), Depling (2015, 17), CLP (2016 [**PC chair**]), IALP (2017 [**PC chair**], 18, 19);

Workshops:

ACL student research workshop (2012, 15 [student mentor], 16, 17), ACL system demonstrations (2014), NAACL workshops (2022 [co-organizer for Graph4NLP]), EACL student research workshop (2017), ICLR workshops (2022 [co-organizer for Graph4NLP]), IWPT (2011, 13, 15, 17, 21), CCL student research workshop (2016, 18), CWMt (2013), SIGHAN (2015 [co-organizer], 17 [**PC chair**]), S2MT (2015 [session chair]), CLUK (2008 [session chair]), ADIM (2011), ICYCSEE (2015, 16).

Reviewer for books:

Cambridge University Press, 2013.
Morgan & Claypool, 2020.

Reviewer for research grants:

Dutch Research Council (NWO Talent Programme) (2024); Netherland Physical Science TOP-Grant Module 2 (2015); Isreal Science Foundation Individual Research Grants (2016); Canada Natural Science and Engineering Council Discovery Grant (2017). Research Council of Hong Kong (2017, 18).

ACL community:

IT officer, ACL SIGHAN, Dec 2013-.
ACL test of time award committee member, 2022.
ACL anonimity policy committee member, 2023.
ACL authorship committee member, 2023.
ACL test of time award committee chair, 2024.

PUBLICATIONS

Books

Yue Zhang and Zhiyang Teng. 2021. Natural Language Processing. Cambridge University Press.
Yue Zhang. 2015. An Introduction to Python and Computer Programming. *Lecture Notes in Electrical Engineering*. Springer.

Book Chapters

Litton J. Kurisinkel, **Yue Zhang** and Vasudeva Varma. Domain Adaptive Neural Sentence Compression by Tree Cutting. Part of the Lecture Notes in Computer Science book series (LNCS, volume 11437), 2019.
Wanxiang Che and **Yue Zhang**. Deep Learning in Lexical Analysis and Parsing. In *Deep Learning in Natural Language Processing*. Springer, 2018.

Journal articles

Yun Luo, Zhen Yang, Fandong Meng, Yafu Li, Jie Zhou, **Yue Zhang**. An Empirical Study of Catastrophic Forgetting in Large Language Models During Continual Fine-tuning. IEEE Transactions on Audio, Speech and Language Processing. 2025.
Xuefeng Bai, Jialong Wu, Yulong Chen, Zhongqing Wang, Kehai Chen, Min Zhang, **Yue Zhang**. Con-

stituency Parsing using LLMs. *IEEE Transactions on Audio, Speech and Language Processing*. 2025.

Chenglong Wang, Hang Zhou, Kaiyan Chang, Tongran Liu, Chunliang Zhang, Quan Du, Tong Xiao, **Yue Zhang**, Jingbo Zhu. Learning Evaluation Models from Large Language Models for Sequence Generation. *IEEE Transactions on Audio, Speech and Language Processing*. 2025.

Jianling Li, Meishan Zhang, Jianrong Wang, Min Zhang, **Yue Zhang**. Universal constituency treebanking and parsing: A pilot study. *Computer Speech Language*. 2025.

Yaoxian Song, Penglei Sun, Piaopiao Jin, Yi Ren, Yu Zheng, Zhixu Li, Xiaowen Chu, **Yue Zhang**, Tiefeng Li, Jason Gu. Learning 6-DoF Fine-Grained Grasp Detection Based on Part Affordance Grounding. *IEEE Transactions on Automation Science and Engineering*. 2025.

Chen Feng, Lu Cao, Di Wu, En Zhang, Ting Wang, Xiaowei Jiang, Jinbo Chen, Hui Wu, Siyu Lin, Qiming Hou, Junming Zhu, Jie Yang, Mohamad Sawan, **Yue Zhang**. Acoustic inspired brain-to-sentence decoder for logossyllabic language. *Cyborg and Bionic Systems*. 2025.

Yaoxian Song, Penglei Sun, Piaopiao Jin, Yi Ren, Yu Zheng, Zhixu Li, Xiaowen Chu, **Yue Zhang**, Tiefeng Li, Jason Gu. Learning 6-DoF Fine-grained Grasp Detection Based on Part Affordance Grounding. *IEEE Transactions on Automation Science and Engineering*. 2025.

Yile Wang, Linyi Yang, Zhiyang Teng, Ming Zhou, **Yue Zhang**. Pre-Training a Graph Recurrent Network for Text Understanding. *IEEE Transactions on Pattern Analysis and Machine Intelligence*. 2025.

Zijie Yang, Yongjing Yin, Chaojun Kong, Tiange Chi, Wufan Tao, **Yue Zhang**, Tian Xu. ShennongAlpha: an AI-driven sharing and collaboration platform for intelligent curation, acquisition, and translation of natural medicinal material knowledge. *Cell Discovery*. 2025.

Cunxiang Wang*, Xiaoze Liu*, Yuanhao Yue*, Xiangru Tang, Tianhang Zhang, Cheng Jiayang, Yunzhi Yao, Wenyang Gao, Xuming Hu, Zehan Qi, Yidong Wang, Linyi Yang, Jindong Wang, Xing Xie, Zheng Zhang and **Yue Zhang**. Survey on Factuality in Large Language Models. In *ACM Computing Surveys*.

Baijun Ji, Xiangyu Duan, **Yue Zhang**, Kaixin Wu, Min Zhang. Zero-shot Prompting for LLM-based Machine Translation Using In-domain Target Sentences. In *IEEE/ACM Transactions on Audio, Speech, and Language Processing* (2024).

Peiming Guo, Meishan Zhang, Yulong Chen, Jianling Li, Min Zhang, **Yue Zhang**. Cross-domain Constituency Parsing by Leveraging Heterogeneous Data. In *Journal of Artificial Intelligence Research* 80 (2024) 1-15.

Yupeng Chang, Xu Wang, Jindong Wang, Yuan Wu, Linyi Yang, Kaijie Zhu, Hao Chen, Xiaoyuan Yi, Cunxiang Wang, Yidong Wang, Wei Ye, **Yue Zhang**, Yi Chang, Philip S. Yu, Qiang Yang, Xing Xie. 2024 A Survey on Evaluation of Large Language Models. In *Transactions on Intelligent Systems and Technology*.

Jindong Wang, Xixu Hu, Wenxin Hou, Hao Chen, Runkai Zheng, Yidong Wang, Linyi Yang, Wei Ye, Haojun Huang, Xiubo Geng, Binxing Jiao, **Yue Zhang**, Xing Xie. 2024. On the Robustness of ChatGPT: An Adversarial and Out-of-distribution Perspective. In *IEEE Data Engineering*.

Linfeng Song, Ante Wang, Xiaoman Pan, Hongming Zhang, Dian Yu, Lifeng Jin, Haitao Mi, Jinsong Su, **Yue Zhang**, Dong Yu. 2023 OpenFact: Factuality Enhanced Open Knowledge Extraction. In *Transactions of the Association for Computational Linguistics (TACL)*.

Hanmeng Liu, Jian Liu, Leyang Cui, Zhiyang Teng, Nan Duan, Ming Zhou, **Yue Zhang**. 2023 LogiQA 2.0 — An Improved Dataset for Logical Reasoning in Natural Language Understanding. In *IEEE/ACM Transactions on Audio, Speech, and Language Processing (TASLP)*, 2023.

Qiji Zhou, **Yue Zhang**, Donghong Ji. 2022 Distantly supervised relation extraction with KB-enhanced reconstructed latent iterative graph networks. In *Knowledge-Based Systems*, 2023.

Donglin Di, Xianyang Song, Weinan Zhang, **Yue Zhang**, Fanglin Wang. 2023 Building Dialogue Understanding Models for Low-resource Language Indonesian from Scratch. In *ACM Transactions on Asian and Low-Resource Language Information Processing*, 2023.

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Notes: the field of computational linguistics is conference-driven, with many influential work in leading conferences such as ACL and EMNLP. The leading journal of the field is *Computational Linguistics*.