

YUE ZHANG

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HIGHLIGHTS

- 18 years research experience in natural language processing.
- Two books, 40+ top journal articles and 250+ top conference papers.
- Google Scholar Citations 14841, h-index 64.
- Serving as program committee co-chair of EMNLP 2022 and CCL 2020.
- 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).
- Best paper nomination for ACL 2018 (demo) and ACL 2023.
- Research findings secured for 20M+ RMB at Westlake University.
- Advising 21 PhD students, with 6 having graduated and 5 close to graduation.
- Authoring the Cambridge University Press book *Natural Language Processing*, building a course with online resources.
- Teaching graduate courses for 5 terms at Westlake University.
- Serving as the chair of undergraduate committee for School of Engineering.

EMPLOYMENT

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.

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 × 16 weeks)	2022. Spring term	Westlake University	graduate course
Machine Learning (3 hours × 4 weeks)	2020, 21. Spring term	Westlake University	graduate course
Academic English Writing (co-teaching, 2 hours × 3-4 weeks)	2019, 20, 21. Autumn term	Westlake University	graduate course
Data Structure and Algorithm (co-teaching, 3 hours × 4 weeks)	2019. Autumn term	Westlake University	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, 16, 15, 14, 13. Fall term	SUTD	pillar course
Natural Language Processing	2016. Jul.	Zhengzhou University	guest lectures
Natural Language Processing	2018, 17, 16, 15, 14	HIT	guest lectures
Python and Computer Programming	2013. Aug.	HIT	guest lectures
Advanced Java programming	2013, 12	SUTD	summer lectures
C/C++	2011	University of Cambridge	supervisor
Statistical Machine Translation	2011	University of Cambridge	demonstrator
Natural Language Processing	2010 –11	University of Cambridge	supervisor
Advanced Topics in Natural Language Processing	2008	University of Oxford	tutor
Introduction to Specification	2007	University of Oxford	teaching assistant

UNIVERSITY SERVICES

Westlake University

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

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:

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
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:

Leonardo Ribiero	PhD	external examiner (2022)	TU Darmstadt, German
Linfeng Song	PhD	external examiner (2019)	Rochester University, US
Yan Shao	PhD	external examiner (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:

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 –

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:

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 NUA, 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

Visiting students at Westlake University:

Shuailong Liang	Jan, 2018 - Feb, 2019	SUTD, Singapore	Research scientist at Grab Holdings Inc.
Hui Wu	Sep, 2018 - Feb, 2019	UCAS, China	PhD student at XMU, China
Xiuming Qiao	Sep, 2018 - Jul, 2020	HIT, China	Faculty at BISTU, China
Haiming Wu	Sep, 2018 - Feb, 2019	SCNU, China	PhD student at BIT, China
Yajun Liu	Sep, 2018 - Dec, 2018	ZZU, China	Engineer at NRIEE, China
Xinting Liao	Sep, 2019 - May, 2020	SCU, China	PhD student at ZJU, China
Jianhua Yuan	Sep, 2018 - Mar, 2019	HIT, China	PhD student at HIT, China
Xiaobo Liang	Dec, 2018 - Jun, 2019	NEU, China	PhD student at SUDA, China
Xiaonan Li	Jan, 2019 - Feb, 2019	XDU, China	PhD student at FDU, China
Libo Qin	Jan, 2019 - Jun, 2020	HIT, China	PhD student at HIT, China
Bibo Cai	Jan, 2019 - Apr, 2020	HIT, China	PhD student at HIT, China
Xuhui Zhou	Jun, 2019 - Sep, 2019	NJU, China	PhD student at GIT, USA
Qiji Zhou	Jun, 2019 - Dec, 2019	WHU, China	PhD student at WHU, China
Hanlin Tang	Jun, 2019 - Aug, 2019	XDU, China	PhD student at BIT, China
Chunli Xiang	Jun, 2019 - Dec, 2019	WHU, China	PhD student at WHU, China
Jianian Jin	Jul, 2019 - Aug, 2019	UWM, USA	Graduate student at ColumbiaU, USA

Xingke Song	Jul, 2019 - Aug, 2019	UoNottingham, UK	Graduate student at UoNottingham, Ningbo Campus
Mingzhe Xing	Jul, 2019 - Aug, 2019	UCAS, China	PhD student at PKU, China
Peiyuan Gong	Jul, 2019 - Aug, 2019	ZZU, China	PhD student at BIT, China
Han Wang	Jul, 2019 - Jan, 2020	Tongji, China	Master student at NYU, USA
Junchi Zhang	Sep, 2018 - Sep, 2019	WHU, China	Faculty at WUT, China
Fangfang Su	Sep, 2019 -	WHU, China	PhD student at WHU, China
Sijie Cheng	Sep, 2019 - Sep, 2020	CQUPT, China	PhD student at FDU, China
Jinhao Jiang	Jan, 2020 - Aug, 2020	UESTC, China	PhD student at RUC, China
Ruoming Zhang	Jul, 2020 - Aug, 2020	SWJTU, China	Undergraduate student at SWJTU, China
Ziwei Gong	Jul, 2020 - Jan, 2021	ColumbiaU, USA	Undergraduate student at ColumbiaU, USA
Boyuan Zheng	Aug, 2020 - Mar, 2021	NEU, China	Master student at JHU, USA
Chuang Fan	Aug, 2020 - Feb, 2021	HITSZ, China	PhD student at HITSZ, China
Zhen Wang	Jun, 2021 -	TU Delft, Netherland	Master student at TU Delft, Netherland
Yuchen Niu	Mar, 2021 - Aug, 2021	UoEdinburgh, UK	Master student at IC, UK
Yunchen Zhang	Jul, 2021 - Sep, 2021	UESTC, China	Undergraduate student at UESTC

Student accomplishment:

Own students: Assistant professor, Zhejiang University 100 Young Professor (Jie Yang). Grab Inc. (Shuailong Liang). Ebay Inc. (Fei Dong).

Post-doctors: Associate professor at Harbin Institue of Technology, Shenzhen (Meishan Zhang). Associate professor at Soochow University (Zhongqing Wang). Alibaba, Singapore (Thien Hai Nguyen). Amazon, London, UK (Chingyun Chang). Alibaba Inc. (Likun Qiu).

Research assistants: Facebook AI Research (Qi Liu). PhD at Oxford University (Qi Liu). PhD at The University of Edinburgh (Jiangming Liu and Ratish Pudupully). PhD at UCSB (Hongmin Wang). PhD at HKU (Wenyu Du). A-STAR*, Singapore (Yuze Gao). JD.com Inc. (Hongshen Chen).

Visiting students: ByteDance Inc., e-commerce (Kai Song and Yijia Liu). ByteDance AI Lab (Hao Zhou). ACL 2021 Best Paper Award (Hao Zhou). 2019 Outstanding Doctoral Dissertation Award of CAAI (Hao Zhou). 2021 Rising Star Award of CCF-NLP (Hao Zhou). Tencent Inc., Seattle (Linfeng Song). Google Inc. (Ji Ma). PhD at CUHK (Deng Cai). PhD at Georgia Tech (Xuhui Zhou).

RESEARCH SEMINARS

Conference Tutorials

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

Invited Talks

2021	Keynote at IALP	Challenges in NLP
2021	Tianjin University	Challenges in NLP
2021	Keynote at PACLIC	Document-Level NLP
2021	Alibaba Inc.	Text Summarization
2021	Zhejiang Lab	Text Summarization
2021	Tencent Inc.	Beyond Words — Commonsense Reasoning in Language Understanding
2021	Oxford ML Summer School	Challenges in NLP
2021	Keynote at CAAI	Open-domain Dialogue
2021	Keynote at YSSNLP	Compositional Generalization of Machine Translation
2021	CCF-NLP Seminar Series	Text Summarization
2021	Zhejiang University	Text Summarization
2021	Frontiers of Natural Language Generation, Harbin Institute of Technology	Machine Translation
2021	Institute of Automation, CAS	Semantic Representation for Dialogue Modeling
2021	Institute of Software, CAS	The Bottleneck of NLP
2020	Keynote at CTC	Beyond Words — Commonsense Reasoning in Language Understanding
2020	Chair at COLING2020 PANEL2	On The Generalization of NLP
		Models – Ways Around Data Hunger
		AMR to Text Generation
2020	Keynote at COLING2020 WS-MSR	- A Brief Review And
		A Case Study Using Back-parsing
2020	Keynote at CAAI Industry Forum	The Bottleneck of NLP
2019	Zhejiang Gongshang University	Fundamental Tasks in NLP
		And Their Applications on Finance
2019	Hundsun Technologies Inc.	Natural Language Processing
		And Computational Financial Research
2019	Technische Universität Darmstadt	Graph Neural Networks in NLP

2019	HSBC open day on Sep	Invited talk about NLP and financial markets
2019	CIPS Summer School	Advanced Technology Tutorial on Graph neural networks in NLP
2019	Keynote at CCF Social Media Program	Cross-domain sentiment analysis
2019	NiuTrans Machine Translation workshop	Local chair
2019	Dagstuhl seminar	Invited attendance
2018	Uppsala University	Graph Recurrent Neural Networks
2018	Harbin Institute of Technology	Graph Recurrent Neural Networks
2018	Guangdong University of Foreign Studies	Graph Recurrent Neural Networks
2018	Chengdu Machine Translation Forum	Graph Recurrent Neural Networks
2018	Beijing Language and Culture University	Consituent Parsing
2018	Rxhui.com	Chinese Parsing
2017	Yuan Ze University (Taiwan)	Stock Prediction
2017	Jinritoutiao Inc.	Deep Learning for parsing
2017	Alibaba Group.	Deep learning for NLP
2017	Tsinghua University	Deep learning for parsing
2017	Harbin Institute of Technology	Deep learning for parsing
2017	Xiamen University	Deep learning for parsing
2017	Zhengzhou University	Deep learning for parsing
2017	Soochow University	Deep learning using heterogeneous data
2017	Automaton institute, CAS	Chinese lexical syntactic analysis
2017	A-STAR, Singapore	Deep learning for parsing
2017	Keynote at Singapore Deep Learning for Finance Summit	Using deep learning for predicting USA stock markets
2016	Keynote at Deep Learning Summit Singapore	Deep learning for sentiment analysis
2016	Keynote at SmartConnected. World and ICEC, Suwon, Korea	Deep learning
2016	Heilongjiang University (China)	stock market prediction
2016	University of Berkeley	Neural network structured prediction
2016	University of South California, Information Science Institute	Neural network structured prediction
2016	Singapore Actuary Society	Text mining
2016	Zhengzhou University (China)	Chinese syntactic parsing
2015	National University of Singapore	Deep learning for stock market prediction
2015	Harbin Institute of Technology	Deep learning for parsing
2015	Chinese Academy of Sciences	Stock market prediction
2015	Leshan Normal University (China)	Stock market prediction
2015	Wuhan University (China)	Stock market prediction
2015	Keynote at Global Innovators Forum on Technology and Society, Harbin, China	Text mining
2015	Soochow University (China)	Stock market prediction and deep learning methods for POS tagging
2015	Keynote at ADSM Deep learning workshop	Deep learning for stock market prediction
2014	Singapore NLP research workshop	Statistical machine translation
2014	ADSM NLP workshop, Singapore	Syntactic machine translation
2014	Tsinghua University (China)	CCG parsing
2014	Nanjing University (China)	Stock market prediction
2014	Harbin Institute of Technology (China)	Deep learning
2014	Ludong University (China)	Statistical machine translation
2014	Universitat Pompeu Fabra (Spain)	Statistical text generation
2014	University of A Coruna (Spain)	Chinese syntactic analysis
2014	Institute of Computing Technology, CAS	Chinese syntactic analysis
2014	Peking University	Chinese syntactic analysis
2014	Tsinghua University	Chinese syntactic analysis

2013	Tsinghua University	Dependency parsing
2013	Northeast University	Dependency parsing
2013	CAS	Word ordering
2013	Baidu Inc (China)	Word ordering
2013	Harbin Institute of Technology	Word ordering
2013	Keynote at CWMT	Semantics based machine translation
2012	Institute of Infocomm Research (Singapore)	CCG parsing
2011	Cambridge NLP seminar	Surprisingly efficient parsing for a wide-Coverage lexicalised-grammar parser
2010	Uppsala University (Sweden)	Dependency parsing
2009	the NLP group seminar, University of Cambridge	Dependency parsing
2008	the School of Informatics (ICCS), University of Edinburgh	Dependency parsing
2008	Sharp Research Europe Ltd.	Word segmentation

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) *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), *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]), 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]), COLING (2012, 14 [area chair for syntax], 16, 18 [area chair for syntax], 20, 22 [senior area chair for generation, summarization and simplification]), 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), 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]), 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:

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-.

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

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.

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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*.