

CHENGYU WANG

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WORK EXPERIENCE

Algorithm Expert, Platform for Artificial Intelligence (PAI), Alibaba Cloud

July 2020 – Current

- Major developer of open-source NLP toolkits named EasyTransfer and EasyNLP, supporting over 20 BUs within Alibaba Group and various clients/partners of Alibaba Cloud
- Research and development of various NLP and multi-modality deep learning models, with 60+ papers published in top-tier conferences/journals and 20+ patents filed
 - Pre-trained language models enhanced by relational knowledge graphs and linguistic knowledge
 - Cross-modality pre-trained models, such as CLIP-style models for vision and language modeling
 - Parameter-efficient learning and in-context learning for large language models
 - Deep generative models, such as Chinese Stable Diffusion-style models for text-to-image generation
 - A variety of transfer learning/meta-learning algorithms for NLP tasks across different domains and tasks
- Integration of various deep learning toolkits and models to PAI products including PAI-DSW for Notebook-based model development, PAI-DLC for cloud-native distributed training, PAI-EAS for online model serving, and PAI-Designer for zero-code model training
- Extensive academic collaborations by running several Alibaba Innovative Research (AIR) programs and mentoring 10+ research interns

EDUCATION

Ph.D. in Software Engineering

Sept. 2015 – June 2020

School of Software Engineering, **East China Normal University** (ECNU)

Supervisors: Prof. **Xiaofeng He** and Prof. **Aoying Zhou** Overall GPA: 90.29/100, Major GPA: 90.44/100

Won **National Scholarship for PhD Students** three times (2016, 2017, 2019), **ECNU President Scholarship** (2019) and **Shanghai Outstanding Graduate** (2020)

B.Eng. in Software Engineering

Sept. 2011 – June 2015

School of Software Engineering, **East China Normal University** (ECNU)

Overall GPA: 3.77/4.0, Major GPA: 3.84/4.0

Won **National Scholarship** three times (2012, 2013, 2014) and **Shanghai Outstanding Graduate** (2015)

SELECTED PUBLICATIONS

(* denotes equal contribution; # denotes corresponding author.)

[2024]

1. Mingyuan Fan, Yang Liu, Cen Chen, **Chengyu Wang**, Minghui Qiu, Wenmeng Zhou. *Guardian: Guarding against Gradient Leakage with Provable Defense for Federated Learning*. Proceedings of the 17th ACM Conference on Web Search and Data Mining (**WSDM 2024**) (accepted)
2. Yukang Xie, **Chengyu Wang**#, Junbing Yan, Jiyong Zhou, Feiqi Deng#, Jun Huang. *Making Extremely Small Language Models Better Multi-task Learners with Mixture-of-Task-Adapters*. Proceedings of the 17th ACM Conference on Web Search and Data Mining (**WSDM 2024**) (Demo Paper) (accepted)
3. Zhenzhen Chu, Jiayu Chen, Cen Chen, **Chengyu Wang**, Ziheng Wu, Jun Huang, Weining Qian. *DualToken-ViT: Position-aware Efficient Vision Transformer with Dual Token Fusion*. Proceedings of the 24th SIAM International Conference on Data Mining (**SDM 2024**) (accepted)

[2023]

1. Ziyun Xu*, **Chengyu Wang***, Minghui Qiu, Fuli Luo, Runxin Xu, Songfang Huang, Jun Huang. *Making Pre-trained Language Models End-to-end Few-shot Learners with Contrastive Prompt Tuning*. Proceedings of the 16th ACM Conference on Web Search and Data Mining (**WSDM 2023**), pages 438–446
2. Tingfeng Cao, **Chengyu Wang#**, Bingyan Liu, Ziheng Wu, Jinhui Zhu#, Jun Huang. *BeautifulPrompt: Towards Automatic Prompt Engineering for Text-to-Image Synthesis*. Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2023**), pages 1–11 (Industry Track Full Paper)
3. Jianing Wang, **Chengyu Wang**, Jun Huang, Ming Gao, Aoying Zhou. *Uncertainty-aware Self-training for Low-resource Neural Sequence Labeling*. Proceedings of the 37th AAAI Conference on Artificial Intelligence (**AAAI 2023**), pages 13682–13690
4. Zhongjie Duan, **Chengyu Wang**, Cen Chen, Wenmeng Zhou, Jun Huang, Weining Qian. *Match4Match: Enhancing Text-Video Retrieval by Maximum Flow with Minimum Cost*. Proceedings of the Web Conference 2023 (**WWW 2023**), pages 3257–3267
5. Xiaoqing Chen*, **Chengyu Wang***, Junwei Dong, Minghui Qiu, Liang Feng, Jun Huang. *Boosting Prompt-based Few-shot Learners through Out-of-domain Knowledge Distillation*. Proceedings of the 2023 IEEE International Conference on Acoustics, Speech and Signal Processing (**ICASSP 2023**)
6. Boyu Hou*, **Chengyu Wang***, Xiaoqing Chen, Minghui Qiu, Liang Feng, Jun Huang. *Prompt-Distiller: Few-shot Knowledge Distillation for Prompt-based Language Learners with Dual Contrastive Learning*. Proceedings of the 2023 IEEE International Conference on Acoustics, Speech and Signal Processing (**ICASSP 2023**)
7. Moming Tang, **Chengyu Wang**, Jianing Wang, Chuanqi Tan, Songfang Huang, Cen Chen, Weining Qian. *XtremeCLIP: Extremely Parameter-efficient Tuning for Low-resource Vision Language Understanding*. Findings of the Association for Computational Linguistics: ACL 2023 (**ACL (Findings) 2023**), pages 6368–6376
8. Jiapeng Wang, **Chengyu Wang#**, Xiaodan Wang, Jun Huang, Lianwen Jin#. *ConaCLIP: Exploring Distillation of Fully-Connected Knowledge Interaction Graph for Lightweight Text-Image Retrieval*. Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (**ACL 2023**), pages 71–80 (Industry Track Full Paper)
9. Tingfeng Cao, **Chengyu Wang#**, Chuanqi Tan, Jun Huang, Jinhui Zhu#. *Sharing, Teaching and Aligning: Knowledgeable Transfer Learning for Cross-Lingual Machine Reading Comprehension*. Findings of the Association for Computational Linguistics: EMNLP 2023 (**EMNLP (Findings) 2023**), pages 455–467
10. Xiaodan Wang, **Chengyu Wang**, Lei Li, Zhixu Li, Ben Chen, Linbo Jin, Jun Huang, Yanghua Xiao, Ming Gao. *FashionKLIP: Enhancing E-Commerce Image-Text Retrieval with Fashion Multi-Modal Conceptual Knowledge Graph*. Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (**ACL 2023**), pages 149–158 (Industry Track Full Paper)
11. Zhongjie Duan, **Chengyu Wang**, Cen Chen, Jun Huang, Weining Qian. *Optimal Linear Space Search: Learning to Construct Fast and High-Quality Schedulers for Diffusion Models*. Proceedings of the 32nd ACM International Conference on Information and Knowledge Management (**CIKM 2023**), pages 463–472
12. Zhenzhen Chu, **Chengyu Wang**, Cen Chen, Dawei Cheng, Yuqi Liang, Weining Qian. *Learning Invariant Representations for New Product Sales Forecasting via Multi-Granularity Adversarial Learning*. Proceedings of the 32nd ACM International Conference on Information and Knowledge Management (**CIKM 2023**), pages 3828–3832
13. Junbing Yan, **Chengyu Wang**, Taolin Zhang, Xiaofeng He, Jun Huang, Wei Zhang. *From Complex to Simple: Unraveling the Cognitive Tree for Reasoning with Small Language Models*. Findings of the Association for Computational Linguistics: EMNLP 2023 (**EMNLP (Findings) 2023**), pages 12413–12425
14. Yan Fan, **Chengyu Wang**, Fan Feng, Hengbin Cui, Yuchuan Wu, Yongbin Li. *Learning What to Ask: Mining Product Attributes for E-commerce Sales from Massive Dialogue Corpora*. Proceedings of the 32nd ACM International Conference on Information and Knowledge Management (**CIKM 2023**), pages 5031–5035 (Demo Paper)

15. Mingyuan Fan, Cen Chen, **Chengyu Wang**, Wenmeng Zhou, Jun Huang. *On the Robustness of Split Learning against Adversarial Attacks*. Proceedings of the 26th European Conference on Artificial Intelligence (**ECAI 2023**), pages 668–675
16. Ruyao Xu, Taolin Zhang, **Chengyu Wang**, Zhongjie Duan, Cen Chen, Minghui Qiu, Dawei Cheng, Xiaofeng He, Weining Qian. *Learning Knowledge-Enhanced Contextual Language Representations for Domain Natural Language Understanding*. Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2023**), pages 1563–1576
17. Bingyan Liu, Weifeng Lin, Zhongjie Duan, **Chengyu Wang**#, Ziheng Wu, Zipeng Zhang, Kui Jia#, Lianwen Jin, Cen Chen, Jun Huang. *Rapid Diffusion: Building Domain-Specific Text-to-Image Synthesizers with Fast Inference Speed*. Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (**ACL 2023**), pages 295–304 (Industry Track Full Paper)
18. Zhen-Ru Zhang, Chuanqi Tan, Haiyang Xu, **Chengyu Wang**, Jun Huang, Songfang Huang. *Towards Adaptive Prefix Tuning for Parameter-Efficient Language Model Fine-tuning*. Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (**ACL 2023**), pages 1239–1248
19. Jianing Wang, Qiushi Sun, Nuo Chen, **Chengyu Wang**, Xiang Li, Ming Gao, Jun Huang. *Uncertainty-aware Parameter-Efficient Self-training for Semi-supervised Natural Language Understanding*. Findings of the Association for Computational Linguistics: EMNLP 2023 (**EMNLP (Findings) 2023**), pages 7873–7884
20. Xiaodan Wang, Lei Li, Zhixu Li, Xuwu Wang, Xiangru Zhu, **Chengyu Wang**, Jun Huang, Yanghua Xiao. *AGREE: Aligning Cross-Modal Entities for Image-Text Retrieval Upon Vision-Language Pre-trained Models*. Proceedings of the 16th ACM Conference on Web Search and Data Mining (**WSDM 2023**), pages 456–464
21. Jianing Wang, Nuo Chen, Qiushi Sun, Wenkang Huang, **Chengyu Wang**, Ming Gao. *HugNLP: a Unified and Comprehensive Library for Natural Language Processing*. Proceedings of the 32nd ACM International Conference on Information and Knowledge Management (**CIKM 2023**), pages 5111–5116 (Best Demo Award)
22. Huimin Chen, Fengran Mo, Yanhao Wang, Cen Chen, Jian-Yun Nie, **Chengyu Wang**, Jamie Cui. *A Customized Text Sanitization Mechanism with Differential Privacy*. Findings of the Association for Computational Linguistics: ACL 2023 (**ACL (Findings) 2023**), pages 5747–5758

[2022]

1. **Chengyu Wang**, Suyang Dai, Yipeng Wang, Fei Yang, Minghui Qiu, Kehan Chen, Wei Zhou, Jun Huang. *ARoBERT: An ASR Robust Pre-trained Language Model for Spoken Language Understanding*. IEEE/ACM Transactions on Audio, Speech, and Language Processing (**TASLP**) 30: 1207–1218 (2022)
2. **Chengyu Wang**, Minghui Qiu, Jun Huang. *Building Natural Language Processing Applications with EasyNLP*. Proceedings of the 31st ACM International Conference on Information and Knowledge Management (**CIKM 2022**), pages 5100–5101 (Industry Day Speaker)
3. **Chengyu Wang**, Minghui Qiu, Taolin Zhang, Tingting Liu, Lei Li, Jianing Wang, Ming Wang, Jun Huang, Wei Lin. *EasyNLP: A Comprehensive and Easy-to-use Toolkit for Natural Language Processing*. Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2022**), pages 22–29 (Demo Paper)
4. Jianing Wang*, **Chengyu Wang***, Fuli Luo, Chuanqi Tan, Minghui Qiu, Fei Yang, Qiuhui Shi, Songfang Huang, Ming Gao. *Towards Unified Prompt Tuning for Few-shot Text Classification*. Findings of the Association for Computational Linguistics: EMNLP 2022 (**EMNLP (Findings) 2022**), pages 524–536
5. Tingting Liu*, **Chengyu Wang***, Xiangru Zhu, Lei Li, Minghui Qiu, Ming Gao, Yanghua Xiao, Jun Huang. *ARTIST: A Transformer-based Chinese Text-to-Image Synthesizer Digesting Linguistic and World Knowledge*. Findings of the Association for Computational Linguistics: EMNLP 2022 (**EMNLP (Findings) 2022**), pages 881–888
6. Jianing Wang*, **Chengyu Wang***, Minghui Qiu, Qiuhui Shi, Hongbin Wang, Jun Huang, Ming Gao. *KECP: Knowledge-Enhanced Contrastive Prompting for Few-shot Extractive Question Answering*. Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2022**), pages 3152–3163

7. Jianing Wang, **Chengyu Wang**, Chuanqi Tan, Minghui Qiu, Songfang Huang, Jun Huang, Ming Gao. *Span-Proto: A Two-stage Span-based Prototypical Network For Few-shot Named Entity Recognition*. Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2022**), pages 3466–3476
8. Tingting Liu, **Chengyu Wang**, Cen Chen, Ming Gao, Aoying Zhou. *Understanding Long Programming Languages with Semantics-Aware Sparse Attention*. Proceedings of the 45th International ACM SIGIR Conference on Research and Development in Information Retrieval (**SIGIR 2022**), pages 2093–2098
9. Yiwu Yao*, **Chengyu Wang***, Jun Huang. *Quantized Winograd Acceleration for Conv1D Equipped ASR Models on Mobile Devices*. Proceedings of the 2022 IEEE International Conference on Acoustics, Speech, and Signal Processing (**ICASSP 2022**), pages 4804–4807
10. Taolin Zhang*, **Chengyu Wang***, Nan Hu, Minghui Qiu, Chengguang Tang, Xiaofeng He, Jun Huang. *DKPLM: Decomposable Knowledge-enhanced Pre-trained Language Model for Natural Language Understanding*. Proceedings of the 36th AAAI Conference on Artificial Intelligence (**AAAI 2022**), pages 11703–11711
11. Yan Fan, **Chengyu Wang**, Peng He, Yunhua Hu. *Building Multi-turn Query Interpreters for E-commercial Chatbots with Sparse-to-dense Attentive Modeling*. Proceedings of the 15th ACM Conference on Web Search and Data Mining (**WSDM 2022**), pages 1577–1580 (Demo Paper)
12. Runxin Xu, Fuli Luo, **Chengyu Wang**, Baobao Chang, Jun Huang, Songfang Huang, Fei Huang. *From Dense to Sparse: Contrastive Pruning for Better Pre-trained Language Model Compression*. Proceedings of the 36th AAAI Conference on Artificial Intelligence (**AAAI 2022**), pages 11547–11555
13. Taolin Zhang, Junwei Dong, Jianing Wang, **Chengyu Wang#**, Ang Wang, Yinghui Liu, Jun Huang, Yong Li, Xiaofeng He. *Revisiting and Advancing Chinese Natural Language Understanding with Accelerated Heterogeneous Knowledge Pre-training*. Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2022**), pages 570–580 (Industry Track Full Paper)
14. Dongyang Li, Taolin Zhang, Nan Hu, **Chengyu Wang**, Xiaofeng He. *HiCLRE: A Hierarchical Contrastive Learning Framework for Distantly Supervised Relation Extraction*. Findings of the Association for Computational Linguistics: ACL 2022 (**ACL (Findings) 2022**), pages 2567–2578

[2021]

1. **Chengyu Wang**, Xiaofeng He, Aoying Zhou. *Open Relation Extraction for Chinese Noun Phrases*. IEEE Transactions on Knowledge and Data Engineering (**TKDE**) 33(6): 2693–2708 (2021)
2. **Chengyu Wang**, Haojie Pan, Minghui Qiu, Jun Huang, Fei Yang, Yin Zhang. *Meta Distant Transfer Learning for Pre-trained Language Models*. Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2021**), pages 9742–9752
3. **Chengyu Wang***, Jianing Wang*, Minghui Qiu, Jun Huang, Ming Gao. *TransPrompt: Towards an Automatic Transferable Prompting Framework for Few-shot Text Classification*. Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2021**), pages 2792–2802
4. **Chengyu Wang***, Haojie Pan*, Yuan Liu, Kehan Chen, Minghui Qiu, Wei Zhou, Jun Huang, Haiqing Chen, Wei Lin, Deng Cai. *MeLL: Large-scale Extensible User Intent Classification for Dialogue Systems with Meta Lifelong Learning*. Proceedings of the 27th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2021**), pages 3649–3659
5. **Chengyu Wang**, Minghui Qiu, Jun Huang, Xiaofeng He. *KEML: A Knowledge-Enriched Meta-Learning Framework for Lexical Relation Classification*. Proceedings of the 35th AAAI Conference on Artificial Intelligence (**AAAI 2021**), pages 13924–13932
6. **Chengyu Wang**, Mengli Cheng, Xu Hu, Jun Huang. *EasyASR: A Distributed Machine Learning Platform for End-to-end Automatic Speech Recognition*. Proceedings of the 35th AAAI Conference on Artificial Intelligence (**AAAI 2021**), pages 16111–16113 (Demo Paper)
7. Haojie Pan*, **Chengyu Wang***, Minghui Qiu, Yichang Zhang, Yaliang Li, Jun Huang. *Meta-KD: A Meta Knowledge Distillation Framework for Language Model Compression across Domains*. Proceedings of the Joint

- Conference of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (**ACL-IJCNLP 2021**), pages 3026–3036
8. Taolin Zhang*, **Chengyu Wang***, Minghui Qiu, Bite Yang, Zerui Cai, Xiaofeng He, Jun Huang. *Knowledge-Empowered Representation Learning for Chinese Medical Reading Comprehension: Task, Model and Resources*. Findings of the Association for Computational Linguistics: ACL-IJCNLP 2021 (**ACL-IJCNLP (Findings) 2021**), pages 2237–2249
 9. Cen Chen, **Chengyu Wang**, Minghui Qiu, Dehong Gao, Linbo Jin, Li Wang. *Cross-domain Knowledge Distillation for Retrieval-based Question Answering Systems*. Proceedings of the Web Conference 2021 (**WWW 2021**), pages 2613–2623
 10. Zhi Li, Yuchen Zhai, **Chengyu Wang**, Minghui Qiu, Kailiang Li, Yin Zhang. *UnCLE: Leveraging Semantic Similarity to Compress Word Embeddings*. Findings of the Association for Computational Linguistics: EMNLP 2021 (**EMNLP (Findings) 2021**), pages 1815–1828
 11. Minghui Qiu, Peng Li*, **Chengyu Wang***, Haojie Pan*, Ang Wang, Xianyan Jia, Le Jiang, Yaliang Li, Jun Huang, Jun Yang, Lin Wang, Deng Cai, Wei Lin. *EasyTransfer: A Simple and Scalable Deep Transfer Learning Platform for NLP Applications*. Proceedings of the 30th ACM International Conference on Information and Knowledge Management (**CIKM 2021**), pages 4075–4084
 12. Taolin Zhang, Zerui Cai, **Chengyu Wang**, Peng Li, Yang Li, Minghui Qiu, Chengguang Tang, Xiaofeng He, Jun Huang. *HORNET: Enriching Pre-trained Language Representations with Heterogeneous Knowledge Sources*. Proceedings of the 30th ACM International Conference on Information and Knowledge Management (**CIKM 2021**), pages 2608–2617
 13. Haojie Pan, Cen Chen, **Chengyu Wang**, Minghui Qiu, Liu Yang, Feng Ji, Jun Huang, Haiqing Chen. *Learning to Expand: Reinforced Response Expansion for Information-seeking Conversations*. Proceedings of the 30th ACM International Conference on Information and Knowledge Management (**CIKM 2021**), pages 4055–4064
 14. Taolin Zhang, Zerui Cai, **Chengyu Wang**, Minghui Qiu, Bite Yang, Xiaofeng He. *SMedBERT: A Knowledge-Enhanced Pre-trained Language Model with Structured Semantics for Medical Text Mining*. Proceedings of the Joint Conference of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (**ACL-IJCNLP 2021**), pages 5882–5893

[Before 2020]

1. **Chengyu Wang**, Xiaofeng He, Aoying Zhou. *HEEL: Exploratory Entity Linking for Heterogeneous Information Networks*. Knowledge and Information Systems (**KAIS**) 62(2): 485–506 (2020)
2. **Chengyu Wang**, Minghui Qiu, Jun Huang, Xiaofeng He. *Meta Fine-tuning Neural Language Models for Multi-domain Text Mining*. Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (**EMNLP 2020**), pages 3094–3104
3. **Chengyu Wang**, Xiaofeng He. *BiRRE: Learning Bidirectional Residual Relation Embeddings for Supervised Hypernymy Detection*. Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics (**ACL 2020**), pages 3630–3640
4. **Chengyu Wang**, Yan Fan, Xiaofeng He, Aoying Zhou. *Decoding Chinese User Generated Categories for Fine-grained Knowledge Harvesting*. IEEE Transactions on Knowledge and Data Engineering (**TKDE**) 31(8): 1491–1505 (2019)
5. **Chengyu Wang**, Yan Fan, Xiaofeng He, Aoying Zhou. *Predicting Hypernym-hyponym Relations for Chinese Taxonomy Learning*. Knowledge and Information Systems (**KAIS**) 58(3): 585–610 (2019)
6. **Chengyu Wang**, Xiaofeng He, Aoying Zhou. *SphereRE: Distinguishing Lexical Relations with Hyperspherical Relation Embeddings*. Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics (**ACL 2019**), pages 1727–1737
7. **Chengyu Wang**, Yan Fan, Xiaofeng He, Aoying Zhou. *A Family of Fuzzy Orthogonal Projection Models for Monolingual and Cross-lingual Hypernymy Prediction*. Proceedings of the 2019 World Wide Web Conference (**WWW 2019**), pages 1965–1976

8. **Chengyu Wang**, Xiaofeng He, Aoying Zhou. *Improving Hypernymy Prediction via Taxonomy Enhanced Adversarial Learning*. Proceedings of the 33rd AAAI Conference on Artificial Intelligence (**AAAI** 2019), pages 7128–7135
9. **Chengyu Wang**, Yan Fan, Xiaofeng He, Aoying Zhou. *Learning Fine-grained Relations from Chinese User Generated Categories*. Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing (**EMNLP** 2017), pages 2577–2587
10. **Chengyu Wang**, Xiaofeng He, Aoying Zhou. *A Short Survey on Taxonomy Learning from Text Corpora: Issues, Resources and Recent Advances*. Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing (**EMNLP** 2017), pages 1190–1203
11. **Chengyu Wang**, Junchi Yan, Aoying Zhou, Xiaofeng He. *Transductive Non-linear Learning for Chinese Hypernym Prediction*. Proceedings of the 55th Annual Meeting of the Association for Computational Linguistics (**ACL** 2017), pages 1394–1404
12. **Chengyu Wang**, Xiaofeng He. *Chinese Hypernym-hyponym Extraction from User Generated Categories*. Proceedings of the 26th International Conference on Computational Linguistics (**COLING** 2016), pages 1350–1361
13. **Chengyu Wang**, Rong Zhang, Xiaofeng He, Aoying Zhou. *Error Link Detection and Correction in Wikipedia*. Proceedings of the 25th ACM International Conference on Information and Knowledge Management (**CIKM** 2016), pages 307–316
14. Yan Fan, **Chengyu Wang**, Boxing Chen, Zhongkai Hu, Xiaofeng He. *SPMM: A Soft Piecewise Mapping Model for Bilingual Lexicon Induction*. Proceedings of the 19th SIAM International Conference on Data Mining (**SDM** 2019), pages 244–252
15. Yan Fan, **Chengyu Wang**, Xiaofeng He. *Exploratory Neural Relation Classification for Domain Knowledge Acquisition*. Proceedings of the 27th International Conference on Computational Linguistics (**COLING** 2018), pages 265–2276

SELECTED AWARDS

- Oct. 2023 **CIKM 2013 Best Demo Award**
- Nov. 2022 **Second Prize of CCF Science and Technology Achievement Award**
- July 2021 First Place in NLPCC 2021 Shared Task 2: FewCLUE
- Dec. 2019 **ECNU President Scholarship** (top-10 graduate students)
- Aug. 2019 ACL 2019 Student Volunteer Program
- Jan. 2019 AAAI 2019 Student Volunteer and Scholarship Program
- Dec. 2018 ECNU Student Science and Technology Excellence Scholarship
- Oct. 2018 **Microsoft Research Asia Fellowship Nominee**
- Dec. 2016 COLING 2016 Student Support Program
- Nov. 2016 WISE 2016 Best Paper Nominee
- Oct. 2016 SIGIR Student Travel Grant (CIKM 2016)
- April 2016 Google Student Travel Grant (WWW 2016)
- Dec. 2015 ECNU Graduate Freshman Scholarship
- Dec. 2013 Second Prize in First National Big Data Technology Innovation Contest
- Oct. 2013 WISE 2013 Challenge Runner-up Award
- 2015, 2020 **Shanghai Outstanding Graduate** (twice)
- 2016, 2017, 2019 **National Scholarship for PhD Students** (three times)
- 2012, 2013, 2014 **National Scholarship** (three times)

ACADEMIC ACTIVITIES

Regular Conference Program Committee (PC) Membership:

- Annual Meeting of the Association for Computational Linguistics (ACL)
- Conference on Empirical Methods in Natural Language Processing (EMNLP)
- Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)

- International Conference on Computational Linguistics (COLING)
- Conference of the European Chapter of the Association for Computational Linguistics (EACL)
- AAAI Conference on Artificial Intelligence (AAAI)
- International Joint Conference on Artificial Intelligence (IJCAI)
- IEEE/CVF Computer Vision and Pattern Recognition Conference (CVPR)
- International Conference on Acoustics, Speech, and Signal Processing (ICASSP)
- ACM International Conference on Information and Knowledge Management (CIKM)
- ACM Multimedia Conference (ACM MM)
- ACL Rolling Review (for *ACL conferences)

Invited Reviewer for Journals:

- IEEE Transactions on Knowledge and Data Engineering (TKDE)
- IEEE/ACM Transactions on Audio, Speech and Language Processing (TASLP)
- ACM Transactions on Asian and Low-Resource Language Information Processing (TALLIP)
- IEEE Transactions on Neural Networks and Learning Systems (TNNLS)
- IEEE Transactions on Computational Social Systems (TCSS)
- IEEE Transactions on Artificial Intelligence (TAI)
- Information Processing and Management (IPM)
- Expert Systems With Applications (ESWA)
- Natural Language Engineering (NLE)
- Knowledge-Based Systems (KBS)
- Frontiers of Computer Science (FCS)
- Information Sciences
- Neural Networks
- Expert Systems
- Neurocomputing