

## Kenny Q. Zhu

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## Research Interests

Natural Language Processing, Animal Communications, Knowledge Engineering, Artificial Intelligence.

## Positions

08/2023 - Present	Full Professor (tenured), University of Texas at Arlington
01/2016 - 08/2023	Full Professor (tenured), Shanghai Jiao Tong University
01/2010 - 12/2015	Associate Professor (tenure-track), Shanghai Jiao Tong University
02/2010 - 09/2010	Visiting Professor, Microsoft Research Asia
01/2007 - 08/2009	Postdoctoral Researcher & Lecturer, Princeton University, advisor: David Walker
10/2005 - 12/2006	Software Design Engineer, Microsoft USA
06/2005 - 09/2005	Research Fellow, National University of Singapore

## Education

07/1999 - 06/2005	Ph.D. in Computer Science, National University of Singapore, advisors: Joxan Jaffar and Roland Yap
07/1995 - 06/1999	B.Eng. in Computer Engineering (Hons), National University of Singapore

## Awards and Honors

2025	<b>ACL Outstanding Paper Award</b> - "Toward Automatic Discovery of a Canine Phonetic Alphabet".
2024	Research on canine communication featured on CBS 11, ABC 8, the Atlantic, and Dallas Morning News.
2018	Work on commonsense knowledge graph reported by Wenhui Bao, one of the top newspapers in China.
2015 - 2018	Advisor of 3 Shanghai Jiao Tong University Best Bachelors Thesis Awards (top 1%)
2015	Model University Course for International Students - "Programming Languages", Shanghai.
2014	<b>DASFAA Best Paper Award</b> - " $\rho$ -uncertainty Anonymization by Partial Suppression".
2013	Google Faculty Research Award - "Action Conceptualization from Text Documents" (Only winner from China that year).
2013	Model University Course Instructed in English - "Database System Concepts", Shanghai.
2012	Candle Light Award, Shanghai Jiao Tong University.
2012	First Prize (#1), Teach-in-English Competition, Shanghai Jiao Tong University.
2011 - 2014	Teach-in-English Excellence Award, SEIEE, Shanghai Jiao Tong University.
2010	Microsoft Research Asia Star Award.

## Research Grants

2024 - 2026	NSF Award No. 2349713 (PI), "REU Site: Animal Language Processing and Understanding", USD 483,804.
2022	Meituan Inc. Joint Research Grant (PI), "Automatic Construction of General-purpose E-commerce Knowledge Graph", RMB 725,000 (1 USD $\approx$ 7 RMB).
2019 - 2022	CMB Credit Card Center-SJTU Joint Research Grant (PI), "Natural Language Processing Models (2021)", RMB 1,350,000.
2021 - 2022	Yipu Tech Joint Research Grant (PI), "Information Extraction System for Drug Inserts", RMB 150,000.

- 2019 - 2021 SJTU Medical-Engineering Cross-disciplinary Research Scheme (Co-PI), “A Chest Cancer Database and Diagnostic Model based on Large Datasets”, RMB 500,000.
- 2018 - 2019 Leyan-SJTU Joint Research Grant (PI), “Data Augmentation in Cross-Domain Semantic Understanding and Knowledge Construction”, RMB 520,000.
- 2018 - 2019 Didi-SJTU Joint Research Scheme (PI), “A dataset of multi-turn QA”, RMB 150,000.
- 2015 - 2018 Morgan Stanley Joint Research Scheme (PI), RMB 810,000.
- 2017 - 2021 NSFC Key Program (Grant No. 91646205) (Co-PI), “Big Data Driven Holistic Management for Cardiovascular Health,” RMB 2,400,000.
- 2016 - 2017 Xuebajun Research Grant (PI), “Knowledge Base Question Answering,” RMB 240,000.
- 2016 CTRIP Joint Research Scheme (PI), “Change and Cancellation Policy Mining for Flight Reservations,” RMB 60,000.
- 2015 - 2017 Shanghai University Model Courses for International Students, “Programming Languages”, RMB 100,000.
- 2014 NSFC China-Korea Joint Research and Cooperation Program (PI), “A Study on Multi-lingual, Cross-cultural Association Networks”, RMB 100,000.
- 2013 - 2015 AstraZeneca Joint Research Scheme (PI), “Information Extraction from Medical Documents”, RMB 372,500.
- 2013 Google Faculty Research Award (PI), “Action Conceptualization from Text Documents”, USD 23,000.
- 2013 - 2014 Oracle Joint Research Scheme (PI), “Automatic Extraction of Computing Topics from Large Code Repositories”, USD 29,412.
- 2014 - 2017 NSFC General Program (Grant No. 61373031) (PI), “An Ontology Based on Action Concepts and Its Applications on Text Processing”, RMB 750,000.
- 2014 - 2016 Shanghai Model University Course Award, “Database System Concepts”, RMB 40,000.
- 2011 - 2012 Microsoft Joint Research Scheme (PI), “Text Understanding and Classification Using Structured Knowledge”, USD 20,000.
- 2012 - 2014 NSFC Young Scientist Program (Grant No. 61100050) (PI), “Incremental Format Inference from Ad Hoc Data”, RMB 220,000.
- 2012 - 2014 Chinese Ministry of Education New Faculty Award (No. 20110073120023) (PI), RMB 40,000.
- 2011 - 2014 NSFC Key Program (Grant No. 61033002) (Co-PI), “M-Models and M-Solvability”, RMB 2,000,000.
- 2011 - 2012 SJTU-Morgan Stanley Joint Research Scheme (Co-PI), “Data Privacy”, RMB 120,000.
- 2012 Shanghai Bai Yu Lan Science and Technology Grant (PI), RMB 22,000.
- 2010 - 2012 SJTU Distinguished Research Fellow Award (PI), RMB 200,000.

## Selected Patents

1. US Patent No. 2007-1053 (Granted). “Format Inference for Ad Hoc Data”. Filed in August, 2008.
2. US Patent No. 2009-0801 (Granted). “Incremental Learning of Format Descriptions”. Filed in November, 2009.
3. Chinese Patent No. 201210109622.9 (Granted). “A TV Program Recommendation System for Real Time Streams”. Filed in April, 2012.
4. Chinese Patent No. 201210110031.3 (Granted). “Automatic Labeling of TV Programs”. Filed in April, 2012.
5. Chinese Patent No. 201210285469.5 (Granted). “A System for Anonymizing Set-valued Data by Partial Suppression”. Filed in April, 2012.
6. Chinese Patent No. 201210580975.7 (Granted). “A System for Extracting Top-K Lists from the Web”. Filed in December, 2012.
7. Chinese Patent No. 201310237564.2 (Granted). “Watermarking Maps against Crop and Merge Attacks”. Filed in May, 2013.
8. Chinese Patent No. 201310471554.5 (Granted). “Semantic Disambiguation based on Link Co-occurrences in Online Encyclopedias.”

9. Chinese Patent No. 201310501114.X (Granted). “A Search Recommendation System based on Concept Substitutions.”
10. Chinese Patent No. 201410554684.X (Granted). “An Entity Clustering System for Images Returned by Web Search Engines.”

## Selected Talks and Lectures

- 07/30/2025 “Toward Automatic Discovery of a Canine Phonetic Alphabet”, oral presentation at ACL 2025.
- 11/26/2024 “Canine language processing research at UT Arlington”, invited talk at Texas A&M University.
- 01/21/2017 “Probase Probabilistic Taxonomy and Its Applications in Term Similarity Computation”, invited talk at Alibaba, Hangzhou, China.
- 08/23/2015 “An Association Network for Computing Term Similarity”, invited talk at Hong Kong Polytechnic University.
- 07/10/2015 “An Association Network for Computing Term Similarity”, invited talk at Shandong University.
- 12/12/2014 “False Rumor Detection on Sina Weibo by Propagation Structures”, invited talk at Renmin University of China.
- 11/25/2014 “False Rumor Detection on Sina Weibo by Propagation Structures”, invited talk at POSTECH, South Korea.
- 06/14/2013 “Computing Term Similarity”, tutorial at WAIM 2013 Summer School.
- 04/10/2013 “Research Highlights at ADAPT-Lab, SJTU”, invited talk at Oracle Labs, Brisbane, Australia.
- 05/14/2011 “Data processing: a programming language perspective”, invited talk at The Eighth Asian Workshop on Foundation of Software.

## Teaching Records (from 2010)

Semester	Course	Institute	Hrs/Semester
Spring, 2024 -	CSE 4392 Natural Language Processing	UTA	48 hrs
Fall, 2023 -	CSE 3302/5307 Programming Languages	UTA	48 hrs
Fall, 2010- Fall 2013:	CS490 Windows Internals	SJTU	51 hrs
Spring, 2010-2011:	CS304 Database System Concepts	SJTU	51 hrs
Fall, 2011 - 2023:	CS383 Programming Languages (A)	SJTU	51 hrs
Spring, 2012-2013:	X037515 Programming Languages	SJTU	51 hrs
Fall, 2014- Fall, 2019:	SE305 Database System Technology	SJTU	48 hrs
Spring, 2014-2015:	EI326 Engineering Practice and Technical Innovation III-G	SJTU	34 hrs
Spring, 2015-2023:	F033583 Introduction Web Search and Mining	SJTU	32 hrs
Fall, 2023-Present:	CSE 3302/5307 Programming Languages	SJTU	48 hrs
Spring, 2024-Present:	CSE 4392 Special Topics: Natural Language Processing	SJTU	48 hrs

## Student Supervision

	PhD	MSc	BEng
Current	5	5	1
Graduated	6	27	70+
Selected First Employment	NUS, Sun Yat-sen University, JD.com AI Labs, Alibaba, Meituan	Univ. of Auckland, Google(2), Morgan Stanley, Huawei, Net-nease(4), Alibaba(4), Baidu, Tencent	UIUC, UT Austin, CMU(4), HKU, Google(6), Facebook(3), Microsoft

## Professional Services

AAAI PC: 2020-present (SPC), 2019, 2018, 2017, 2016, 2015

IJCAI PC:	2021-2023 (SPC), 2020, 2019, 2018
ACL PC:	2019-present
EMNLP PC:	2018-present
NAACL PC:	2020-present
COLING PC:	2020, 2018, 2016, 2014
SIGIR PC:	2023
ACL Rolling:	2020-present
CIKM PC:	2018, 2012
WWW PC:	2022, 2013
ECML PC:	2022, 2016, 2015, 2014, 2011
SAC PC:	2015, 2014
WAIM PC:	2015 (AC)
PAKDD PC:	2020 (workshop chair)
CCKS PC:	2021 (workshop chair), 2020, 2019, 2018 (AC)
TKDE reviewer:	2019, 2018, 2016

## Publications

(\* marks the contact author.)

### 2025

1. Hridayesh Lekhak, Tuan Minh Dang, Theron S. Wang, Kenny Q. Zhu. A Data-driven Approach to the Longitudinal Study of Canine Vocal Pattern Development. In the Proceedings of ACM Multimedia 2025 (Brave New Ideas).
2. Tuan Minh Dang, Theron S. Wang, Hridayesh Lekhak, Kenny Q. Zhu. EmotionalCanines: A Dataset for Analysis of Arousal and Valence in Dog Vocalization. In the Proceedings of ACM Multimedia 2025 (Datasets Track).
3. Hridayesh Lekhak, Theron S. Wang, Tuan Minh Dang, Kenny Q. Zhu. DogSpeak: A Canine Vocalization Classification Dataset. In the Proceedings of ACM Multimedia 2025 (Datasets Track).
4. Xingyuan Li, Kenny Q. Zhu\*, Mengyue Wu\*. Dog2vec: Self-Supervised Pre-Training for Canine Vocal Representation. In the Proceedings of InterSpeech 2025.
5. Minghao Lv, Siyuan Chen, Haoan Jin, Minghao Yuan, Qianqian Ju, Yujia Peng, Kenny Q. Zhu, Mengyue Wu. Tracking Life's Ups and Downs: Mining Life Events from Social Media Posts for Mental Health Analysis. In the Proceedings of ACL 2025.
6. Theron S. Wang, Xingyuan Li, Hridayesh Lekhak, Tuan Minh Dang, Mengyue Wu, Kenny Q. Zhu. Toward Automatic Discovery of a Canine Phonetic Alphabet. In the Proceedings of ACL 2025.
7. Haoan Jin, Jiacheng Shi, Hanhui Xu, Kenny Q. Zhu, Mengyue Wu. MedEthicEval: Evaluating Large Language Models Based on Chinese Medical Ethics. In the Proceedings of NAACL 2025.
8. Jiaming Luo, Weiyi Luo2, Guoqing Sun, Mengchen Zhu, Haifeng Tang, Mengyue Wu\*, Kenny Q. Zhu\*. A Diverse and Effective Retrieval-Based Debt Collection System with Expert Knowledge. In the Proceedings of NAACL 2025.
9. Xiujie Song, Mengyue Wu\*, Kenny Q. Zhu\*, Chunhao Zhang, Yanyi Chen. A Cognitive Evaluation Benchmark of Image Reasoning and Description for Large Vision-Language Models. In the Proceedings of NAACL 2025.
10. Xiujie Song, Xiaoyi Pang, Haifeng Tang, Mengyue Wu\*, Kenny Q. Zhu\*. Is Your Image a Good Storyteller? In the Proceedings of AAAI 2025.

### 2024

11. Theron S. Wang, Xingyuan Li, Chunhao Zhang, Mengyue Wu\*, and Kenny Q. Zhu\*. Phonetic and Lexical Discovery of Canine Vocalization. In the Findings of EMNLP 2024.
12. Zhige Huang, Haoan Jin, Mengyue Wu\*, Kenny Q. Zhu\*. Automatic Reconstruction of Ancient Chinese Pronunciations. In the Findings of EMNLP 2024.
13. Siyuan Chen, Meilin Wang, Minghao Lv, Zhiling Zhang, Juqianqian, Dejiyangla, Yujia Peng, Kenny Q. Zhu\*, and Mengyue Wu\*. Mapping Long-term Causalities in Psychiatric Symptomatology and Life Events from Social Media. In the Proceedings of NAACL 2024.
14. Siyu Ren and Kenny Q. Zhu\*. Low-Rank Prune-And-Factorize for Language Model Compression. In the Proceedings of COLING 2024.
15. Siyu Ren, Ziyong Wu and Kenny Q. Zhu\*. EMO: Earth Mover Distance Optimization for Auto-regressive Language Modeling. In the Proceedings of ICLR 2024.
16. Qi Jia, Yizhu Liu, Siyu Ren and Kenny Q. Zhu\*. Taxonomy of Abstractive Dialogue Summarization: Scenarios, Approaches and Future Directions. In ACM Computing Surveys 56 (3), 2024.

## 2023

17. Shanshan Huang and Kenny Q. Zhu\*. Statistically Profiling Biases in Natural Language Reasoning Datasets and Models. In the Findings of EMNLP 2023.
18. Zhiling Zhang, Mengyue Wu\* and Kenny Q. Zhu\*. Semantic Space Grounded Weighted Decoding for Multi-Attribute Controllable Dialogue Generation. In the Proceedings of EMNLP 2023.
19. Siyuan Chen, Zhiling Zhang, Mengyue Wu\* and Kenny Q. Zhu\*. Detection of Multiple Mental Disorders from Social Media with Two-Stream Psychiatric Experts. In the Proceedings of EMNLP 2023.
20. Siyu Ren, Qi Jia and Kenny Q. Zhu\*. Context Compression for Auto-regressive Transformers with Sentinel Tokens. In the Proceedings of EMNLP 2023.
21. Qi Jia, Siyu Ren, Yizhu Liu and Kenny Q. Zhu\*. Zero-shot Faithfulness Evaluation for Text Summarization with Foundation Language Model. In the Proceedings of EMNLP 2023.
22. Xuenan Xu, Zhiling Zhang, Zelin Zhou, Pingyue Zhang, Zeyu Xie, Mengyue Wu\* and Kenny Q. Zhu\*. BLAT: Bootstrapping Language-Audio Pre-training based on AudioSet Tag-guided Synthetic Data. In the Proceedings of ACM Multimedia 2023.
23. Shanshan Huang, Siyu Ren and Kenny Q. Zhu\*. Combating Short Circuit Behavior in Natural Language Reasoning: Crossover and Mutation Operations for Enhanced Robustness. In the Proceedings of ECAI 2023.
24. Shansan Gong, Zelin Zhou, Shuo Wang, Fengjiao Chen, Xiujie Song, Xuezhi Cao, Yunsen Xian and Kenny Q. Zhu\*. Transferable and Efficient: Unifying Dynamic Multi-Domain Product Categorization. In the Proceedings of ACL 2023.
25. Qi Jia, Yizhu Liu, Haifeng Tang and Kenny Q. Zhu\*. In-sample Curriculum Learning by Sequence Completion for Natural Language Generation. In the Proceedings of ACL 2023.
26. Qi Jia, Haifeng Tang and Kenny Q. Zhu\*. Reducing Sensitivity on Speaker Names for Text Generation from Dialogues In the Findings of ACL 2023.
27. Siyu Ren and Kenny Q. Zhu\*. Pruning Pre-trained Language Models with Principled Importance and Self-regularization. In the Findings of ACL 2023.
28. Zitong Li, Jiawei Li, Haifeng Tang, Kenny Q. Zhu\* and Ruolan Yang. Incomplete Utterance Rewriting by A Two-Phase Locate-and-Fill Regime. In the Findings of ACL 2023.

29. Jieyi Huang, Chunhao Zhang, Mengyue Wu\* and Kenny Q. Zhu\*. Transcribing Vocal Communications of Domestic Shiba Inu Dogs. In the Findings of ACL 2023.

## 2022

30. Zhiling Zhang, Siyuan Chen, Mengyue Wu\* and Kenny Q. Zhu\*. Symptom Identification for Interpretable Detection of Multiple Mental Disorders. *In the Proceedings of EMNLP 2022*.
31. Yizhu Liu, Qi Jia and Kenny Q. Zhu\*. Opinion Summarization by Weak-Supervision from Mix-structured Data. *In the Proceedings of EMNLP 2022*.
32. Zhiling Zhang, Siyuan Chen, Mengyue Wu\* and Kenny Q. Zhu\*. Psychiatric Scale Guided Risky Post Screening for Detection of Early Depression. *In the Proceedings of IJCAI 2022 (AI for Good)*.
33. Yizhu Liu, Qi Jia and Kenny Q. Zhu\*. Reference-free Summarization Evaluation via Semantic Correlation and Compression Ratio. *In the Proceedings of NAACL 2022*.
34. Qi Jia, Yizhu Liu, Haifeng Tang and Kenny Q. Zhu\*. Post-Training Dialogue Summarization using Pseudo-Paraphrasing. *In the Findings of NAACL 2022*.
35. Siyu Ren and Kenny Q. Zhu\*. Leaner and Faster: Two-Stage Model Compression for Lightweight Text-Image Retrieval. *In the Proceedings of NAACL 2022*.
36. Siyu Ren and Kenny Q. Zhu\*. Specializing Pre-trained Language Models for Better Relational Reasoning via Network Pruning. *In the Findings of NAACL 2022*.
37. Shansan Gong and Kenny Q. Zhu\*. Positive, Negative and Neutral: Modeling Implicit Feedback in Session-based News Recommendation. *In the Proceedings of ACM SIGIR 2022*.
38. Yizhu Liu, Qi Jia and Kenny Q. Zhu\*. Length Control in Abstractive Summarization by Pretraining Information Selection. *In the Proceedings of ACL 2022*.
39. Ruolan Yang, Zitong Li, Haifeng Tang and Kenny Q. Zhu\*. ChatMatch: Evaluating Chatbots by Autonomous Chat Tournaments. *In the Proceedings of ACL 2022*.
40. Zelin Zhou, Zhiling Zhang, Xuenan Xu, Zeyu Xie, Mengyue Wu\*, and Kenny Q. Zhu\*. Can Audio Captions Be Evaluated with Image Caption Metrics? *In the Proceedings of ICASSP 2022*.

## 2021

41. Zhiling Zhang, Zelin Zhou, Haifeng Tang, Guangwei Li, Mengyue Wu\* and Kenny Q. Zhu\*. Enriching Ontology with Temporal Commonsense for Low-Resource Audio Tagging. *In the Proceedings of CIKM 2021*.
42. Zilu Guo, Zhongqiang Huang, Kenny Q. Zhu\*, Guandan Chen, Kaibo Zhang, Boxing Chen and Fei Huang. Automatic Paraphrasing via Sentence Reconstruction and Round-trip Translation. *In the Proceedings of IJCAI 2021*.
43. Yizhu Liu, Qi Jia and Kenny Q. Zhu\*. Keyword-aware Abstractive Summarization by Extracting Set-level Intermediate Summaries. *In the Proceedings of WWW 2021*.
44. Zhiling Zhang and Kenny Q. Zhu\*. Diverse and Specific Clarification Question Generation with Keywords. *In the Proceedings of WWW 2021*.
45. Siyu Ren and Kenny Q. Zhu\*. Knowledge-Driven Distractor Generation for Cloze-Style Multiple Choice Questions. *In the Proceedings of AAAI 2021*.
46. Qi Jia, Hongru Huang and Kenny Q. Zhu\*. DDRel: A new dataset for interpersonal relation classification in dyadic dialogues. *In the Proceedings of AAAI 2021*.

## 2020

47. Qi Jia, Yizhu Liu, Siyu Ren, Kenny Zhu\* and Haifeng Tang. Multi-turn Response Selection using Dialogue Dependency Relations. *In the Proceedings of EMNLP 2020*.
48. Shanshan Huang, Kenny Q. Zhu\*, Qianzi Liao, Libin Shen and Yinggong Zhao. Enhanced Story Representation by ConceptNet for Predicting Story Endings. *In the Proceedings of CIKM 2020*.
49. Xiaoqing Geng, Xiwen Chen, Kenny Q. Zhu\*, Libin Shen and Yinggong Zhao. MICK: A Meta-Learning Framework for Few-shot Relation Classification with Small Training Data. *In the Proceedings of CIKM 2020*.
50. Xusheng Luo, Luxin Liu, Le Bo, Yuanpeng Cao, Yonghua Yang, Keping Yang and Kenny Q. Zhu. AliCoco: Alibaba E-Commerce Cognitive Concept Net. *In the Proceedings of SIGMOD 2020*.
51. Qi Jia, Mengxue Zhang, Shengyao Zhang and Kenny Q. Zhu\*. Matching Questions and Answers in Dialogues from Online Forums. *In the Proceedings of ECAI 2020*.

## 2019

52. Zuyi Bao, Rui Huang, Chen Li and Kenny Q. Zhu. Low-Resource Sequence Labeling via Unsupervised Multilingual Contextualized Representations. *In the Proceedings of EMNLP 2019*.
53. Xusheng Luo, Yonghua Yang, Kenny Q. Zhu, Yu Gong and Keping Yang. Conceptualize and Infer User Needs in E-commerce. *In the Proceedings of CIKM 2019*.
54. Yu Gong, Yu Zhu, Lu Duan, Qingwen Liu, Ziyu Guan, Fei Sun, Wenwu Ou, and Kenny Q. Zhu. Exact-K Recommendation via Maximal Clique Optimization. *In the Proceedings of KDD 2019*.
55. Kangqi Luo, Jinyi Lu, Kenny Q. Zhu\*, Weiguo Gao, Jia Wei, and Meizhuo Zhang. Layout-aware information extraction from semi-structured medical images. *Computers in Biology and Medicine, Vol 107*.
56. Mengxue Zhang, Meizhuo Zhang, Chen Ge, Quanyang Liu, Jiemin Wang, Jia Wei and Kenny Q. Zhu\*. Automatic Discovery of Adverse Reactions through Chinese Social Media. *Data Mining and Knowledge Discovery (DAMI), 2019*.
57. Ran Bai, Wing-Kai Hon, Eric Lo, Zhian He, Kenny Q. Zhu\*. Historic Moments Discovery in Sequence Data. *ACM Trans. Database Systems 44(1), 2019*.
58. Zhuoyue Zhao, Jialing Pei, Kenny Q. Zhu\*, Eric Lo, Chris Liu. InferSpark: Statistical Inference at Scale. *In the Proceedings of IEEE BigComp 2019*.
59. Yu Gong, Xusheng Luo, Kenny Q. Zhu, Wenwu Ou, Zhao Li, Lu Duan. Automatic Generation of Chinese Short Product Titles for Mobile Display. *In the proceedings of IAAI 2019*.
60. Yu Gong, Xusheng Luo, Yu Zhu, Wenwu Ou, Zhao Li, Muhua Zhu, Kenny Q. Zhu, Lu Duan and Xi Chen. Deep Cascade Multi-task Learning for Slot Filling in Online Shopping Assistant. *In the Proceedings of AAAI 2019*.
61. Zhiyi Luo, Shanshan Huang and Kenny Q. Zhu. Knowledge empowered prominent aspect extraction from product reviews. *In Journal of Information Processing and Management, 2019, Vol 55, Issue 2*.

## 2018

62. Yizhu Liu, Zhiyi Luo and Kenny Q. Zhu. Controlling Length in Abstractive Summarization Using a Convolutional Neural Network. *In the Proceedings of EMNLP 2018*.
63. Zhiyi Luo, Shanshan Huang, Frank F. Xu, Bill Yuchen Lin, Hanyuan Shi and Kenny Q. Zhu. ExtRA: Extracting Prominent Review Aspects from Customer Feedback. *In the Proceedings of EMNLP 2018*.
64. Kangqi Luo, Fengli Lin, Xusheng Luo and Kenny Q. Zhu. Knowledge Base Question Answering via Encoding of Complex Query Graphs. *In the Proceedings of EMNLP 2018*.

65. Junjie Xing, Kenny Q. Zhu and Shaodian Zhang. Adaptive Multi-Task Transfer Learning for Chinese Word Segmentation in Medical Text. *In the Proceedings of COLING 2018*.
66. Bill Y. Lin, Frank F. Xu, Kenny Q. Zhu and Seung-won Hwang. Mining Cross-Cultural Differences and Similarities in Social Media. *In the Proceedings of ACL 2018*.
67. Frank F. Xu, Bill Y. Lin, and Kenny Q. Zhu. Automatic Extraction of Commonsense LocatedNear Knowledge. *In the Proceedings of ACL 2018*.
68. Wenjing Fang, Jun Zhou, Xiaolong Li and Kenny Q. Zhu Unpack Local Model Interpretation for GBDT. *In the Proceedings of DASFAA 2018 (Industrial Track)*.
69. Yuding Liang and Kenny Q. Zhu. Automatic Generation of Text Descriptive Comments for Code Blocks. *In the Proceedings of AAAI 2018*.
70. Xusheng Luo, Kangqi Luo, Xianyang Chen and Kenny Q. Zhu. Cross-Lingual Entity Linking for Web Tables. *In the Proceedings of AAAI 2018*.

## 2017

71. Bill Y. Lin, Frank F. Xu, Zhiyi Luo and Kenny Q. Zhu. Multi-channel BiLSTM-CRF Model for Emerging Named Entity Recognition in Social Media. *In the Proceedings of EMNLP WNUT 2017*.
72. Kangqi Luo, Xusheng Luo, Xianyang, Chen and Kenny Q. Zhu\*. A Data-Driven Approach to Infer Knowledge Base Representation For Natural Language Relations. *In the Proceedings of IJCAI 2017*.
73. Wentao Wu, Hongsong Li, Haixun Wang and Kenny Q. Zhu\*. Semantic Bootstrapping: A Theoretical Perspective. *In the Proceedings of ICDE 2017 (TKDE Posters)*.

## 2016

74. Wentao Wu, Hongsong Li, Haixun Wang and Kenny Q. Zhu\*. Semantic Bootstrapping: A Theoretical Perspective. *In IEEE TKDE 2016*.
75. Wenjing Fang, Yizhong Wang and Kenny Q. Zhu\*. Towards Non-projective High-Order Dependency Parser. *In the Proceedings of COLING 2016*.
76. Shi Feng, Shujie Liu, Nan Yang, Mu Li, Ming Zhou and Kenny Q. Zhu. Improving Attention Modeling with Implicit Distortion and Fertility for Machine Translation. *In the Proceedings of COLING 2016*.
77. Frank F. Xu, Bill Y. Lin, Qi Lu, Yifei Huang and Kenny Q. Zhu\*. Cross-region Traffic Prediction for China on OpenStreetMap. *In the Proceedings of IWCTS 2016*.
78. Dong Xu, Meizhuo Zhang, Yanping Xie, Fan Wang, Ming Chen, Kenny Q. Zhu\* and Jia Wei\*. DTMiner: Identification of potential disease targets through biomedical literature mining. *In Bioinformatics 2016*.
79. Zhiyi Luo, Yuchen Sha, Kenny Q. Zhu\*, Seung-Won Hwang and Zhongyuan Wang. Commonsense Causal Reasoning between Short Texts. *In KR 2016*.
80. Yu Gong, Kaiqi Zhao and Kenny Q. Zhu\*. Representing Verbs as Argument Concepts. *In the Proceedings of AAAI 2016*.

## 2015

81. Dong Xu, Meizhuo Zhang, Tianwan Zhao, Chen Ge, Weiguo Gao, Jia Wei and Kenny Q. Zhu\*. Data-Driven Information Extraction from Chinese Electronic Medical Records. *In PLOS ONE, August, 2015*.
82. Kangqi Luo, Xusheng Luo and Kenny Q. Zhu. Inferring Binary Relation Schemas for Open Information Extraction. *In the Proceedings of EMNLP 2015*.



83. Peipei Li, Haixun Wang, Kenny Q. Zhu, Zhongyuan Wang, Xuegang Hu, Xindong Wu. A Large Probabilistic Semantic Network based Approach to Compute Term Similarity. *In the Transaction of Knowledge and Data Engineering (TKDE)*, 27(5), 2015.
84. Keyang Zhang, Kenny Q. Zhu\* and Seung-Won Hwang. An Association Network for Computing Semantic Relatedness. *In the Proceedings of AAAI 2015*.
85. Ke Wu, Song Yang and Kenny Q. Zhu\*. False Rumor Detection on Sina Weibo by Propagation Structures. *In the Proceedings of ICDE 2015*.
86. Kaiqi Zhao, Gao Cong, Quan Yuan and Kenny Q. Zhu. SAR: A Sentiment-Aspect-Region Model for User Preference Analysis in Geo-tagged Reviews. *In the Proceedings of ICDE 2015*.

## 2014

87. Kaiqi Zhao, Zhiyuan Cai, Qingyu Sui, Enxun Wei and Kenny Q. Zhu\*. Clustering Image Search Results by Entity Disambiguation. *In the Proceedings of ECML/PKDD 2014*.
88. Xinhui Xu, Chao Pan, Xiao Jia, Kenny Q. Zhu\* and Eric Lo.  $\rho$ -uncertainty Anonymization by Partial Suppression. *In the Proceedings of DASFAA 2014*.
89. Petrie Wong, Duncan Yung, Ming Hay Luk, Man Lung Yiu, Eric Lo and Kenny Q. Zhu. Efficient Processing of Which-Edge Questions on Shortest Path Queries. *In the Proceedings of DASFAA 2014*.
90. Hongsong Li, Kenny Q. Zhu and Haixun Wang. Data-Driven Metaphor Recognition and Explanation. *In the Transactions of ACL, Vol 1. Appeared at ACL 2014*.

## 2013

91. Jack Wei Sun, Franky, Kenny Q. Zhu\* and Haixun Wang. Query Suggestion by Concept Instantiation. *In the Proceedings of ISWC 2013*.
92. Zhiyuan Cai, Kaiqi Zhao, Kenny Q. Zhu\* and Haixun Wang. Wikification via Link Co-occurrence. *In the Proceedings of ACM CIKM 2013*.
93. Peipei Li, Haixun Wang, Kenny Q. Zhu, Zhongyuan Wang and Xindong Wu. Computing Term Similarity by Large Probabilistic isA Knowledge. *In the Proceedings of ACM CIKM 2013*.
94. Kai Jiang, Kenny Q. Zhu\*, Yan Huang and Xiaobin Ma. Watermarking Road Maps against Crop and Merge Attacks. *In the Proceedings of ACM IH&MMsec 2013*.
95. Kaiqi Zhao, Enxun Wei, Qingyu Sui, Kenny Q. Zhu\* and Eric Lo. CISC: Clustered Image Search by Conceptualization. *In the Proceedings of EDBT 2013*.
96. Zhixian Zhang, Kenny Q. Zhu\*, Haixun Wang, Hongsong Li. Automatic Extraction of Top-k Lists from the Web. *In the Proceedings of ICDE 2013*.

## 2012

97. Yue Wang, Hongsong Li, Haixun Wang and Kenny Q. Zhu\*. Toward Topic Search on the Web. *In the Proceedings of ER 2012*.
98. Jingjing Wang, Haixun Wang, Zhongyuan Wang and Kenny Q. Zhu\*. Understanding Tables on the Web. *In the Proceedings of ER 2012*.
99. Zhixian Zhang, Kenny Q. Zhu\*, Haixun Wang. A System for Extracting Top-K Lists from the Web. *In the Proceedings of ACM KDD 2012*.
100. Xiao Jia, Kenny Q. Zhu\*, Joxan Jaffar, Roland H.C. Yap. A Runtime System for Generalized Committed Choice. *In the Proceedings of ACM Asia-Pacific Programming Language and Compilers Workshop (APPLC'12, affiliated with PLDI 2012)*.

101. Wentao Wu, Hongsong Li, Haixun Wang, Kenny Q. Zhu. Probase: A Probabilistic Taxonomy for Text Understanding. *In the Proceedings of ACM SIGMOD 2012*.
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## 2011

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