# Qi Zeng

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## Education

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| 2019 - (Dec 2023) | **University of Illinois Urbana-Champaign**, Illinois, United States<br>Ph.D. in Computer Science, Advisor: Prof. Heng Ji |
| 2019 - 2021 | **University of Illinois Urbana-Champaign**, Illinois, United States<br>M.S. in Computer Science, Advisor: Prof. Heng Ji |
| 2013 - 2018 | **Peking University**, Beijing, China<br>B.S. in Information Science, Advisor: Prof. Xu Sun |

## Research Interest

My research interests lie in the general area of Natural Language Processing, especially in **Long Document Understanding**.

- Document-level Event Extraction [NAACL 2021 GENE] [NAACL 2022 EAAE]
- Efficient Transformers [NeurIPS 2021 Skyformer] [NAACL 2022 Skeinformer]
- Consistent Document Summarization [in submission]

## Internship

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| Summer 2022 | **Amazon**, CA, United States<br>Applied Scientist Intern on Amazon Search (A9) Query Understanding team |
| Summer 2021 | **Microsoft Research**, WA, United States<br>Research Intern on Cognitive Services Research Team |
| Summer 2020 | **Allen Institute for Artificial Intelligence (AI2)**, CA, United States<br>Research Intern on AllenNLP team |
| Summer 2019 | **ByteDance AI Lab**, Shanghai, China<br>Research Intern at MLNLP Group |
| Spring 2018 | **Microsoft Research Asia**, Beijing, China<br>Research Intern at Software Analytics Group |
| Spring 2017 | **Microsoft Search Technology Center Asia**, Beijing, China<br>Software Engineer Intern at Xiaoice Group |

## Publications

[Google Scholar] [DBLP] [Semantic Scholar]

* indicates equal contribution.

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| arXiv | **Efficient Reward Poisoning Attacks on Online Deep Reinforcement Learning**<br>Yinglun Xu, Qi Zeng, Gagandeep Singh |
| NAACL 2022 | **RESIN-11: Schema-guided Event Prediction for 11 Newsworthy Scenarios.** (Demo Paper).<br>Xinya Du, Zixuan Zhang, Sha Li, Ziqi Wang, Pengfei Yu, Hongwei Wang,Tuan Manh Lai, Xudong Lin, Iris Liu, Ben Zhou, Haoyang Wen, Manling Li, Darryl Hannan, Jie Lei, Hyounghun Kim, Rotem Dror, Haoyu Wang,Michael Regan, Qi Zeng, Qing Lyu, Charles Yu, Carl Edwards,Xiaomeng Jin, Yizhu Jiao, Ghazaleh Kazeminejad, Zhenhailong Wang,Chris Callison-Burch, Carl Vondrick, Mohit Bansal, Dan Roth,Jiawei Han, Shih-Fu Chang, Martha Palmer, Heng Ji |
| NAACL 2022 | **EA$^2$E: Improving Consistency with Event Awareness for Document-level Argument Extraction**<br>Qi Zeng*, Qiusi Zhan*, Heng Ji |

| NAACL 2022 | **SKEtchINg as a Tool for Understanding and Accelerating Self-attention** |
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| | Yifan Chen*, Qi Zeng*, Dilek Hakkani-Tur, Di Jin, Heng Ji, Yun Yang |
| NeurIPS 2021 | **Skyformer: Remodel Self-Attention with Gaussian Kernel and Nyström Method** |
| | Yifan Chen*, Qi Zeng*, Heng Ji, Yun Yang |
| NAACL 2021 | **GENE: Global Event Network Embedding.** (TextGraphs-15 Workshop). |
| | Qi Zeng, Manling Li, Tuan Lai, Heng Ji, Mohit Bansal, Hanghang Tong |
| TAC 2020 | **GAIA at SM-KBP 2020 - A Dockerlized Multi-media Multi-lingual Knowledge Extraction, Clustering, Temporal Tracking and Hypothesis Generation System** |
| | Manling Li, Ying Lin, Tuan Manh Lai, Xiaoman Pan, Haoyang Wen, Lifu Huang, Zhenhailong Wang, Pengfei Yu, Di Lu, Qingyun Wang, Haoran Zhang, Qi Zeng, Chi Han, Zixuan Zhang, Yujia Qin, Xiaodan Hu, Nikolaus Parulian, Daniel Campos, Heng Ji, etc. |
| INLG 2020 | **ReviewRobot: Explainable Paper Review Generation based on Knowledge Synthesis** |
| | Qingyun Wang, Qi Zeng, Lifu Huang, Kevin Knight, Heng Ji, Nazneen Fatema Rajani |
| EMNLP 2020 | **Connecting the Dots: Event Graph Schema Induction based on Path Language Modeling.** |
| | Manling Li, Qi Zeng, Ying Lin, Kyunghyun Cho, Heng Ji, Jonathan May, Nathanael Chambers, Clare Voss |
| ACL 2020 | **Cross-media Structured Common Space for Multimedia Event Extraction.** |
| | Manling Li*, Alireza Zareian*, Qi Zeng, Spencer Whitehead, Di Lu, Heng Ji, Shih-Fu Chang. |
| EMNLP 2019 | **Asking Clarification Questions in Knowledge-Based Question Answering.** |
| | Jingjing Xu, Yuechen Wang, Duyu Tang, Nan Duan, Pengcheng Yang, Qi Zeng, Ming Zhou, Xu Sun. |
| EMNLP 2019 | **LexicalAT: Lexical-Based Adversarial Reinforcement Training for Robust Sentiment Classification.** |
| | Jingjing Xu, Liang Zhao, Hanqi Yan, Qi Zeng, Yun Liang, Xu Sun |
| NAACL 2019 | **Review-Driven Multi-Label Music Style Classification by Exploiting Style Correlations.** |
| | Jingjing Xu*, Guangxiang Zhao*, Qi Zeng, Xuancheng Ren, Xu Sun. |
| AAAI 2019 | **Text Assisted Insight Ranking Using Context-Aware Memory Network.** |
| | Qi Zeng*, Liangchen Luo*, Wenhao Huang, Yang Tang. |
| AAAI 2019 | **Learning Personalized End-to-End Goal-Oriented Dialog.** |
| | Liangchen Luo, Wenhao Huang, Qi Zeng, Xu Sun, Zaiqing Nie. |
| EMNLP 2018 | **A Skeleton-Based Model for Promoting Coherence in Narrative Story Generation.** |
| | Jingjing Xu, Xuancheng Ren, Yi Zhang, Qi Zeng, Xiaoyan Cai, Xu Sun. |
| EMNLP 2018 | **An Auto-Encoder Matching Model for Learning Utterance-Level Semantic Dependency in Dialogue Generation.** (Short Paper). |
| | Jingjing Xu*, Liangchen Luo*, Junyang Lin, Qi Zeng, Xu Sun. |
| ACL 2018 | **Unpaired Sentiment-to-Sentiment Translation Using Cycled Reinforcement Learning.** |
| | Jingjing Xu, Xu Sun, Qi Zeng, Xuancheng Ren, Xiaodong Zhang, Houfeng Wang, Wenjie Li. |

## Academic Services

| Conference Program Chair | ACL Rolling Review (ARR) 2021 October/November, 2022 January/April/July, ACL Demo 2022, NAACL Demo 2022, EMNLP 2021/2022, AAAI 2023, KDD Workshop 2021/2022, NLPCC 2021/2022, CCL 2020 |
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| Journal Reviewer | ACM Transactions on Asian and Low-Resource Language Information Processing (TALLIP) Neurocomputing |