

Wenting Zhao

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2 W Loop Rd, New York, NY 10044

Education

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|---|----------------------------|
| Cornell University Ph.D in Computer Science | <i>Aug 2018 - Present</i> |
| Cornell University M.S. in Computer Science | <i>Aug 2018 - Dec 2022</i> |
| Worcester Colledge, University of Oxford Visiting student in Computer Science and Philosophy | <i>Sep 2016 - Jun 2017</i> |
| Illinois Wesleyan University B.S. in Computer Science, minor in Mathematics Graduated with <i>Summa Cum Laude</i> , member in Phi Beta Kappa | <i>Aug 2014 - Dec 2017</i> |

Industry Experience

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| Research Intern, The Allen Institute for Artificial Intelligence | Jan 2023 - May 2023 |
| Applied Scientist Intern, Amazon.com Services LLC | Aug 2021 - Jan 2022 |
| Research Intern, IBM Thomas J. Watson Research Center | May 2021 - Aug 2021 |

Under Review

- 2 **Wenting Zhao**, Shangyi Geng, Alexander M Rush. Great Memory, Shallow Reasoning: Limits of k NN-LMs
- 1 **Wenting Zhao**, Ge Gao, Claire Cardie, Alexander M Rush. *I Could've Asked That*: Reformulating Unanswerable Questions.

Publications

- 13 **Wenting Zhao**, Justin Chiu, Jena Hwang, Faeze Brahman, Jack Hessel, Sanjiban Choudhury, Yejin Choi, Lorraine Xiang Li, Alane Suhr. UNcommonsense Reasoning: Abductive Reasoning about Uncommon Situations. *NAACL 2024*
- 12 **Wenting Zhao**, Xiang Ren, Jack Hessel, Claire Cardie, Yejin Choi, Yuntian Deng. (InThe)WildChat: 570K ChatGPT Interaction Logs In The Wild. *ICLR 2024*
- 11 John Morris, **Wenting Zhao**, Justin Chiu, Vitaly Shmatikov, Alexander M Rush. Language Model Inversion. *ICLR 2024*
- 10 **Wenting Zhao**, Justin Chiu, Alexander M Rush, Claire Cardie. Hop, Union, Generate: Explainable Multi-hop Reasoning without Rationale Supervision. *EMNLP 2023*

- 9 Justin Chiu, **Wenting Zhao**, Derek Chen, Saujas Vaduguru, Alexander Rush, Daniel Fried. Symbolic Planning and Code Generation for Grounded Dialogue. *EMNLP 2023*
- 8 **Wenting Zhao**, Mor Geva, Bill Yuchen Lin, Michihiro Yasunaga, Aman Madaan, and Tao Yu. Complex Reasoning in Natural Language. *ACL 2023 (Tutorial)*
- 7 **Wenting Zhao**, Justin Chiu, Alexander M Rush, Claire Cardie. Abductive Commonsense Reasoning Exploiting Mutually Exclusive Explanations. *ACL 2023*
- 6 **Wenting Zhao**, Weiqi Sun, Konstantine Arkoudas, Claire Cardie. Compositional Task-Oriented Parsing as Abstractive Question Answering. *NAACL 2022*
- 5 Di Chen, Yiwei Bai, Sebastian Ament, **Wenting Zhao**, Dan Guevarra, Lan Zhou, Bart Selman, R. Bruce van Dover, John M. Gregoire, Carla P. Gomes. Automating crystal-structure phase mapping by combining deep learning with constraint reasoning. *Nature Machine Intelligence 2021, Cover story.*
- 4 **Wenting Zhao**, Shufeng Kong, Junwen Bai, Daniel Fink, and Carla Gome. HOT-VAE: Learning High-Order Label Correlation for Multi-Label Classification via Attention-Based Variational Autoencoders. *AAAI 2021 in the Computational Sustainability track*
- 3 Di Chen, Yiwei Bai, **Wenting Zhao**, Sebastian Ament, John Gregoire, and Carla Gomes. Deep Reasoning Networks for Unsupervised Pattern De-mixing with Constraint Reasoning. *ICML 2020*
- 2 **Wenting Zhao**, Mark H. Liffiton, Peter G. Jeavons, Dan Roberts. Finding graph decompositions via SAT. *ICTAI 2017*
- 1 **Wenting Zhao**, Mark H. Liffiton. Parallelizing Partial MUS Enumeration. *ICTAI 2016*

Workshop Papers

- 2 Justin T Chiu, **Wenting Zhao**, Daniel Fried, Alexander M Rush. Modeling Perspective-Dependent Ambiguity in Collaborative Dialogue. *The Third Wordplay: When Language Meets Games Workshop at NAACL 2022*
- 1 **Wenting Zhao**, Alexander M Rush, Claire Cardie. Commonsense Reasoning for Question Answering with Explanations. *ACL 2022 Workshop on Commonsense Representation and Reasoning*

Talks

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| Cornell NLP Seminar. <i>Tutorial: Complex Reasoning over Natural Language</i> | Feb, 2024 |
| USC ISI/NLG Seminar. <i>570K ChatGPT Interaction Logs In The Wild.</i> | Nov, 2023 |
| NLP with Friends. <i>570K ChatGPT Interaction Logs In The Wild.</i> | Nov, 2023 |
| NLP Group at UCSB. <i>570K ChatGPT Interaction Logs In The Wild.</i> | Nov, 2023 |
| NLP Group at UCI. <i>570K ChatGPT Interaction Logs In The Wild.</i> | Oct, 2023 |
| ACL 2023. <i>Tutorial: Complex Reasoning over Natural Language</i> | Jul, 2023 |

Teaching Experience

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| TA, Foundations of Artificial Intelligence (Cornell) | Spring 2020, Fall 2020, Spring 2021 |
| TA, Computer Science I (Illinois Wesleyan) | Fall 2015, Spring 2016, Fall 2017 |

Professional Service

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| Organizer for the Natural Language Reasoning and Structured Explanations Workshop | 2024 |
| Reviewer of ICML, COLING, ACL Rolling Review, CoLM | 2024 |
| Session Co-chair for Reasoning Birds-of-a-Feather at EMNLP | 2023 |
| Reviewer of ICML, NeurIPS, ICLR, ACL, EMNLP, ACL Rolling Review | 2023 |
| Reviewer of ICML, NeurIPS, ICLR, EMNLP, ACL Rolling Review | 2022 |
| Reviewer of ICML, NeurIPS, and ICLR | 2021 |

Departmental Service

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| Student Reviewer for CS PhD Admission | 2018, 2019, 2020, 2021 |
| Student Member on Teaching Committee (for department-wide course planning) | 2020 |
| Co-organizer for CS PhD Visit Day | 2019 |

Awards and Honors

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| AI2 Outstanding Intern award (\$10,000) | 2023 |
| Travel Grant to Grace Hopper Celebration (\$1,500) | 2018 |
| Eckley Research Fellowship (\$4,000) | 2015 |
| Alumni Scholarship (\$64,000) | 2014 |