

Wenting Zhao

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Education

Cornell University

Aug 2018 - Present

Ph.D in Computer Science

Worcester Colledge, University of Oxford

Sep 2016 - Jun 2017

Visiting student in Computer Science and Philosophy

Illinois Wesleyan University

Aug 2014 - Dec 2017

B.S. in Computer Science, minor in Mathematics

Graduated with *Summa Cum Laude*, member in Phi Beta Kappa

Work Experience

Research Intern, AI2 Mosaic

Jan 2023 - Dec 2024

Applied Scientist Intern, Amazon Alexa AI

Aug 2021 - Jan 2022

Research Intern, IBM Research

May 2021 - Aug 2021

Under Review

- 3 **Wenting Zhao**, Tanya Goyal, Yu Ying Chiu, Liwei Jiang, Benjamin Newman, Abhilasha Ravichander, Khyathi Chandu, Ronan Le Bras, Claire Cardie, Yuntian Deng, Yejin Choi. WildHallucinations: Evaluating Long-form Factuality in LLMs with Real-World Entity Queries.
- 2 Shangyi Geng, **Wenting Zhao**, 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. WildChat: 1M ChatGPT Interaction Logs in the Wild. *ICLR 2024 (spotlight)*
- 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

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

Media Coverage

What do people really ask chatbots? It's a lot of sex and homework.

The Washington Post, 2024/08/04.

Study suggests that even the best AI models hallucinate a bunch.

TechCrunch, 2024/08/14.

Teaching Experience

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

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

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

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