Wenting Zhao

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120 Gates Hall, 107 Hoy Rd, Ithaca, NY 14853

Education

Cornell University   *Aug 2018 - Present*

Ph.D in Computer Science

Advisors: Alexander Rush & Claire Cardie

Worcester Colledge, University of Oxford   *Sep 2016 - Jun 2017*

Visiting student in Computer Science and Philosophy

Advisor: Peter Jeavons

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

Industry Experience

Research Intern, AI2 Mosaic   Jan 2023 - May 2023

Applied Science Intern, Amazon Alexa AI   Aug 2021 - Jan 2022

Research Intern, IBM Research   May 2021 - Aug 2021

Research Intern, Horizon Robotics   Apr 2018 - Jul 2018

Under Review

3 **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.

2 **Wenting Zhao**, Xiang Ren, Jack Hessel, Claire Cardie, Yejin Choi, Yuntian Deng. (InThe)WildChat: 570K ChatGPT Interaction Logs In The Wild.

1 John Morris, **Wenting Zhao**, Justin Chiu, Vitaly Shmatikov, Alexander M Rush. Language Model Inversion.

Publications

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. Integrating 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. Tutorial: Complex Reasoning in Natural Language. *ACL 2023*

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 (oral)*

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*

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

Reviewer of ICML, NeurIPS, 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

Travel Grant to Grace Hopper Celebration ($1500)	2018
Eckley Research Fellowship ($4000)	2015
Alumni Scholarship ($64000)	2014