

# Hongyu Zhao

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## RESEARCH INTERESTS

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Natural Language Processing, Machine Learning

## EDUCATION

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started 2023 **Ph.D. in Computer Science**

University of Maryland

2021 - 2023 **M.S. in Computational and Applied Mathematics**

University of Chicago

Selected Courses: Advanced Natural Language Processing, The Interplay of Learning and Game Theory, Inverse Problems and Data Assimilation, Convex Optimization, Machine Learning, Sample Surveys

2017 - 2021 **B.S. in Mathematics and Applied Mathematics**

School of Gifted Young, University of Science & Technology of China

Selected Courses: Computer Graphics, Data Structures and Database, Image Processing, Algorithms, Mathematical Statistics, Graph Theory

## PUBLICATIONS

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**H. Zhao**, K. Wang, M. Yu, and H. Mei, "Explicit Planning Helps Language Models in Logical Reasoning", ArXiv Preprint 2023.

J. Gu, **H. Zhao**, H. Xu, L. Nie, H. Mei, and W. Yin, "Robustness of Learning from Task Instructions," Findings of ACL 2023.

**H. Zhao**, H. Tan, and H. Mei, "Tiny-Attention Adapter: Contexts Are More Important Than the Number of Parameters,"

Proceedings of EMNLP 2022.

## RESEARCH EXPERIENCE

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**Toyota Technological Institute at Chicago** Oct 2021 - present

Research Assistant, Supervisor: Prof. Hongyuan Mei

**Lab for Intelligent Networking and Knowledge Engineering** Oct 2019 - Sep 2020

Research Assistant, Supervisor: Prof. Yanyong Zhang

**University of Science and Technology of China** Feb 2021 - Jun 2021

Bachelor Thesis, Supervisor: Prof. Xiande Zhang

## HONORS & AWARDS

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Dean's Fellowship 2023

Outstanding Freshman Scholarship (15% in all departments) 2017

## SKILLS

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Coding Familiar with Python, have experiences with C++/C#/MATLAB/QT etc.

Language Fluent English, native Chinese, mid-level Japanese and German.