

# CHI HAN

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URL: [Personal Website](#) and [Google Scholar](#)

## EDUCATION

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**University of Illinois at Urbana-Champaign** **2021 - now**

Computer Science Ph.D. candidate (GPA: 4.0)

Advisor: [Prof. Heng Ji](#)

**Yao Class, Tsinghua University, Beijing** **2016 - 2020**

Undergraduate in Yao Class, Institute of Interdisciplinary Information Science

GPA: 3.78/4.0. Thesis Advisor: [Prof. Chongjie Zhang](#)

**CocoSci Group, Department of Brain and Cognitive Sciences, MIT** **2019 - 2019**

Visiting Student in Computer Science

Advisor: [Prof. Joshua Tenenbaum](#), [Prof. Jiajun Wu](#), [Prof. Chuang Gan](#), [Jiayuan Mao](#)

## WORKING EXPERIENCE

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**Meta GenAI, Bellevue, WA** **2023 - 2023**

Research Scientist Intern (Summer)

Advisor: [Sinong Wang](#), [Qifan Wang](#), [Wenhan Xiong](#), [Yu Chen](#)

**ByteDance AI Lab, Shanghai** **2020 - 2021**

Research Intern on Natural Language Processing

Advisor: [Prof. Lei Li](#) (now Assistant Professor at UCSB)

## PUBLICATIONS

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**Han, Chi**, Qifan Wang, Wenhan Xiong, Yu Chen, Heng Ji, and Sinong Wang. "[LM-Infinite: Simple on-the-fly length generalization for large language models.](#)" arXiv preprint arXiv:2308.16137 (2023).

**Han, Chi**, Jialiang Xu, Manling Li, Yi Fung, Chenkai Sun, Nan Jiang, Tarek Abdelzaher, and Heng Ji. "[LM-Switch: Lightweight Language Model Conditioning in Word Embedding Space.](#)" arXiv preprint arXiv:2305.12798 (2023).

**Han, Chi**, Ziqi Wang, Han Zhao, and Heng Ji. "[Explaining Emergent In-Context Learning as Kernel Regression](#)" arXiv preprint arXiv:2305.12766 (2023).

**Han, Chi**, Hengzhi Pei, Xinya Du, and Heng Ji. 2023. [Zero-Shot Classification by Logical Reasoning on Natural Language Explanations](#). In Findings of the Association for Computational Linguistics: ACL 2023, pp. 8967–8981, 2023

Qian, Cheng, **Chi Han**, Yi R. Fung, Yujia Qin, Zhiyuan Liu, and Heng Ji. "CREATOR: Disentangling Abstract and Concrete Reasonings of Large Language Models through Tool Creation." arXiv preprint arXiv:2305.14318 (2023).

Wang, Ziqi, **Chi Han**, Wenxuan Bao, and Heng Ji. "Understanding the Effect of Data Augmentation on Knowledge Distillation." arXiv preprint arXiv:2305.12565 (2023).

Xue, Tianci, Ziqi Wang, Zhenhailong Wang, **Chi Han**, Pengfei Yu, and Heng Ji. "RCOT: Detecting and Rectifying Factual Inconsistency in Reasoning by Reversing Chain-of-Thought." arXiv preprint arXiv:2305.11499 (2023).

Qin, Yujia, Shengding Hu, Yankai Lin, Weize Chen, Ning Ding, Ganqu Cui, Zheni Zeng et al. "Tool learning with foundation models." arXiv preprint arXiv:2304.08354 (2023).

**Han, Chi**, Qizheng He, Charles Yu, Xinya Du, Hanghang Tong, and Heng Ji. "Logical Entity Representation in Knowledge-Graphs for Differentiable Rule Learning." In The Eleventh International Conference on Learning Representations (ICLR). 2022.

**Han, Chi**, Mingxuan Wang, Heng Ji, and Lei Li. "Learning Shared Semantic Space for Speech-to-Text Translation." In Findings of the Association for Computational Linguistics: ACL-IJCNLP 2021, pp. 2214-2225. 2021.

Dong, Heng, Tonghan Wang, Jiayuan Liu, **Chi Han**, and Chongjie Zhang. "Birds of a feather flock together: A close look at cooperation emergence via multi-agent RL." arXiv preprint arXiv:2104.11455 (2021).

**Han, Chi\***, Jiayuan Mao\*, Chuang Gan, Josh Tenenbaum, and Jiajun Wu. "Visual concept-metaconcept learning." Advances in Neural Information Processing Systems 32 (NeurIPS 2019).

## HONORS AND AWARDS

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<b>Yao Class Scholarship</b>	<b>2016, 2017, 2018, 2019</b>
<b>Social Work Award, Tsinghua University</b>	<b>2017, 2018, 2019</b>
<b>Second Prize, Freshman Scholarship</b> (Awarded to 10% freshmen in Tsinghua University.)	<b>2016</b>
<b>Third Prize, ‘Baidu Star of the Future’ Scholarship</b>	<b>2016</b>

## LANGUAGE

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Chinese: Native

English: TOEFL 112 (Speaking 27), GRE 330+4