

Han Zhang

Email: han.harry.zhang@gmail.com ◇ Website: zhhhhahahaha.github.io

Research Focus: Agentic RL ◇ LLM Post-Training ◇ Long-Horizon Agents ◇ Agent Continual Learning

EDUCATION

University of California, Los Angeles(UCLA) 2024 - Present
Ph.D. in Computer Science; Advisor: [Prof. Wei Wang](#); GPA: 3.93/4.0

Shanghai Jiao Tong University (SJTU) 2020 - 2024
B.E. in Computer Science; **ACM Class** (top 5%)
Major GPA: 91.87/100 (5/35)

EXPERIENCE

Research Scientist Intern, Meta Superintelligence Labs (MSL) Jun 2026 - Present
Mentored by [Shuang Ma](#)

- Built and scaled an agentic reinforcement learning (RL) post-training pipeline for long-horizon, tool-using agents with trajectories extending beyond 64K tokens, using iterative rollback-supervised state compression to preserve task-critical information across context windows.

Data and Research Intern, Optum AI Jun 2025 - Sep 2025
Mentored by [Kimmo Kärkkäinen](#)

- Built a two-stage LLM fine-tuning pipeline for ICD-10-CM prediction, scaling distributed data processing from 100K to 2.5M+ samples with PySpark and designing hierarchy-aware contrastive learning and a dynamic confidence loss with hard-negative sampling.

Applied Scientist Intern, Amazon AI Lab Shanghai Mar 2024 - Aug 2024
Mentored by [Minjie Wang](#) and [Quan Gan](#)

- Proposed [GFS](#) and integrated it into [4DBInfer](#) for graph-based prediction over relational databases, developing database-restructuring strategies and strengthening the internal [DGLAI](#) framework through new features, performance improvements, and bug fixes.

Research Assistant, Ma Lab, Carnegie Mellon University Aug 2023 - Mar 2024
Supervised by [Prof. Jian Ma](#)

- Developed Hicformer, designing specialized attention layers to integrate global and local 3D Hi-C features with CNN-derived DNA sequence representations for cell-type-specific gene-expression prediction in a [Science 2026](#) Alzheimer's disease study.

SELECTED PUBLICATIONS

ARLarena: A Unified Framework for Stable Agentic Reinforcement Learning
[Xiaoxuan Wang](#)^{*}, **Han Zhang**^{*}, [Haixin Wang](#)^{*}, ... [Jason Cong](#), [Yizhou Sun](#), [Wei Wang](#) [ICML 2026](#)

FitText: Evolving Agent Tool Ecologies via Memetic Retrieval
[Kyle Zheng](#)^{*}, **Han Zhang**^{*}, [Renliang Sun](#), [Chenchen Ye](#), [Wei Wang](#) [COLM 2026](#)

ACLarena: Agent Continual Learning in Multi-stage Post-training
[Haixin Wang](#), [Xiaoxuan Wang](#), [Junkai Zhang](#), **Han Zhang**, ... [Yizhou Sun](#), [Wei Wang](#) In submission

Single-cell multiomics connects 3D genome and transcriptome alterations in Alzheimer's disease
[Yang Zhang](#), [Xinyue Lu](#), ..., **Han Zhang**, ..., [Hansruedi Mathys](#), [Zhijun Duan](#), [Jian Ma](#) [Science 2026](#)

GFS: Graph-based Feature Synthesis for Prediction over Relational Databases
Han Zhang, [Gan Quan](#), [David Wipf](#), [Weinan Zhang](#) [VLDB 2024 TaDA workshop](#)

4DBInfer: A 4D Benchmarking Toolbox for Graph-Centric Predictive Modeling on Relational DBs
[Minjie Wang](#), [Quan Gan](#), [David Wipf](#), ..., [Jiahang Li](#), **Han Zhang**, ..., [Muhan Zhang](#), [Weinan Zhang](#), [Christos Faloutsos](#), [Zheng Zhang](#) [Neurips 2024 Datasets and Benchmarks Track](#)