

JIABAO JI

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🎓 EDUCATION

University of California, Santa Barbara, Santa Barbara, CA USA 2022.9 – Now

Ph.D. student in Computer Science, advised by **Prof. Shiyu Chang**

Shanghai Jiao Tong University, Shanghai, China 2018.9 – 2022.6

B.Eng in Computer Science, advised by **Prof. Lu Chen** and **Prof. Kai Yu**

ACM class, an elite CS program for top 5% talented students

👤 INDUSTRY EXPERIENCE

AKI Team@Apple AI/ML, Seattle, WA USA 2025.6-2025.9

Research Intern, Host: *Saloni Potdar* 🌐

Topic: Ambiguity-aware Knowledge QA Data Synthesis

Llama Team@Meta GenAI, Menlo Park, CA USA 2024.6-2024.9

Research Intern, Host: *Wenhan Xiong* 🌐

Topic: Efficient long-context LLM inference

Adobe Research, San Jose, CA USA 2023.6-2023.9

Research Intern, Host: *Zhaowen Wang* 🌐

Topic: Controllable text-to-image diffusion model

🔗 PUBLICATION

‡ indicates equal contributions.

Reversing the Forget-Retain Objectives: An Efficient LLM Unlearning Framework from Logit Difference 🌐 *NeurIPS 2024*

Jiabao Ji, Yujian Liu, Yang Zhang, Gaowen Liu, Ramana Rao Kompella, Sijia Liu, Shiyu Chang

Advancing the Robustness of Large Language Models through Self-Denoised Smoothing 🌐 *NAACL 2024*

Jiabao Ji‡, Bairu Hou‡, Zhen Zhang‡, Guanhua Zhang‡, Wenqi Fan, Qing Li, Yang Zhang, Gaowen Liu, Sijia Liu, Shiyu Chang

Improving Diffusion Models for Scene Text Editing with Dual Encoders 🌐 *TMLR 2023*

Jiabao Ji‡, Guanhua Zhang‡, Zhaowen Wang, Bairu Hou, Zhifei Zhang, Brian Price, Shiyu Chang

Towards Coherent Image Inpainting Using Denoising Diffusion Implicit Models 🌐 *ICML 2023*

Guanhua Zhang‡, **Jiabao Ji**‡, Yang Zhang, Mo Yu, Tommi Jaakkola, Shiyu Chang

Controlling the Focus of Pretrained Language Generation Models 🌐 *Findings of ACL 2022*

Jiabao Ji, Yoon Kim, James Glass, and Tianxing He

WebSRC: A Dataset for Web-Based Structural Reading Comprehension 🌐 *EMNLP 2021*

Xingyu Chen, Zihan Zhao, Lu Chen, **Jiabao Ji**, Danyang Zhang, Ao Luo, Yuxuan Xiong, Kai Yu

🔗 PREPRINTS

DEEPAMBIGQA: Ambiguous Multi-hop Questions for Benchmarking LLM Answer Completeness

In submission

Jiabao Ji, Min Li, Priyanshu Kushmar, Shiyu Chang, Saloni Potdar

HarnessLLM: Automatic Testing Harness Generation via Reinforcement Learning *In submission*

Yujian Liu, **Jiabao Ji**, Yang Zhang, Wenbo Guo, Tommi Jaakkola, Shiyu Chang

HardTests: Synthesizing High-Quality Test Cases for LLM Coding

Arxiv 2025

Zhongmou He, Yee Man Choi, Kexun Zhang, **Jiabao Ji**, Junting Zhou, Dejie Xu, Ivan Bercovich, Aidan Zhang, Lei Li

Collision-and Reachability-Aware Multi-Robot Control with Grounded LLM Planners

Arxiv 2025

Jiabao Ji, Yongchao Chen, Yang Zhang, Ramana Rao Kompella, Chuchu Fan, Gaowen Liu, Shiyu Chang

ThinkPrune: Pruning Long Chain-of-Thought of LLMs via Reinforcement Learning

Arxiv 2025

Bairu Hou, Yang Zhang, **Jiabao Ji**, Yujian Liu, Kaizhi Qian, Jacob Andreas, Shiyu Chang

ConDS: Context Distribution Shift for Robust In-Context Learning

Openreview 2025

Shuyang Yu, Sumyeong Ahn, Siqi Liang, Bairu Hou, **Jiabao Ji**, Shiyu Chang, Jiayu Zhou

Pruning Computations in Transformer Large Language Model Prefilling

In Submission

Jiabao Ji, Aston Zhang, Chenguang Zhu, Sid Wang, Melanie Kambadur, Shiyu Chang, Wenhan Xiong

Augment before You Try: Knowledge-Enhanced Table Question Answering via Table Expansion

Arxiv 2024

Yujian Liu, **Jiabao Ji**, Tong Yu, Ryan Rossi, Sungchul Kim, Handong Zhao, Ritwik Sinha, Yang Zhang, Shiyu Chang

Defending Large Language Models against Jailbreak Attacks via Semantic Smoothing

Arxiv 2024

Jiabao Ji[†], Bairu Hou[‡], Alexander Robey[‡], George J. Pappas, Hamed Hassani, Yang Zhang, Eric Wong, Shiyu Chang

DFM: Dialogue Foundation Model for Universal Large-Scale Dialogue-Oriented Task Learning

Arxiv 2022

Zhi Chen, **Jiabao Ji**, Lu Chen, Yuncong Liu, Da Ma, Bei Chen, Mengyue Wu, Su Zhu, Jian-Guang Lou, Kai Yu

HONORS AND AWARDS

Zhiyuan Honorary Scholarship, Top 5% in SJTU

2018 - 2021

SJTU School-level Scholarship

2018 - 2021

SERVICES

- **Reviewer:** ICML'23, 24, 25; Neurips'23, 24, 25; ICLR'24, 25, 26; CVPR'24, 25, 26; WACV'26; ICCV'25, ACL'24; COLM'24, 25; ARR 24 Dec, 25 May, 25 July
- **Workshop reviewer:** Neurips'24 AdvML-Frontiers; RSS'25 FM4RoboPlan
- **TA:** CSW8-W23; CS190I-W23,W24; CS165B-S22,S24

SKILLS

- **Programming Languages:** C/C++, Python, Java
- **Deep Learning Packages:** PyTorch
- **Others:** Git, L^AT_EX, Linux

(Latest update: October 14, 2025)