

Linxi Zhao

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EDUCATION

Cornell University <i>Ph.D. in Computer Science</i> Advisor: Kilian Weinberger, Jennifer J. Sun, Yoav Artzi	2024 – Present <i>Ithaca, NY</i>
Tsinghua University <i>B.E. in Automation, Xinya College</i> GPA: 3.9/4.0 Rank: Top 10%	2019 – 2024 <i>Beijing, China</i>

HONORS & AWARDS

Best Paper Runner-up at CCFM Workshop, NeurIPS (first author)	2026
Gold Reviewer for ICML	2026
Spotlight at ICML (first author)	2025
LinkedIn PhD Fellowship	2025
Honors Graduate , Tsinghua	2024
Dean's List , Xinya College, Tsinghua	2024

RESEARCH INTERESTS

Machine Learning, Large Language Models:

Building modular, sparse, and specialized LLMs, exploring memory as a new scaling axis beyond today's monolithic dense models

PUBLICATIONS

Pre-training Limited Memory Language Models with Internal and External Knowledge

[Linxi Zhao](#), Sofian Zalouk, Christian K. Belardi, Justin Lovelace, Jin Peng Zhou, Ryan Thomas Noonan, Dongyoung Go, Kilian Q. Weinberger, Yoav Artzi, Jennifer J. Sun
ICLR 26' (Top 2%) CCFM Workshop at NeurIPS 25' (Best Paper Runner-up)

Co-LMLM: Continuous-Query Limited Memory Language Models

Yair Feldman, [Linxi Zhao](#)[†], Nathan Godey, Dongyoung Go, Yilun Hua, Kilian Q. Weinberger, Jennifer J. Sun, Yoav Artzi [†]core contributor
Preprint

Co-Evolving Structured Knowledge and Reasoning in Language Models

Ryan Thomas Noonan*, [Linxi Zhao](#)^{*†}, Menghan Xu*, Akanksha Sarkar, Mihir Mishra, Dongyoung Go, Kilian Q. Weinberger, Yoav Artzi, Jennifer J. Sun [†]project lead
COLM 26'

Self-Augmenting Retrieval for Diffusion Language Models

Paul Jünger, Justin Lovelace, [Linxi Zhao](#), Dongyoung Go, Kilian Q. Weinberger
ICML 26'

Beyond Accuracy: Metrics that Uncover What Makes a 'Good' Visual Descriptor
Ethan Lin, [Linxi Zhao](#), Atharva Sehgal, Jennifer J. Sun
Workshop on Visual Concepts at CVPR 25' (Best Poster Award)

Mitigating Object Hallucination in Large Vision-Language Models via Image-Grounded Guidance
[Linxi Zhao](#)^{*}, Yihe Deng^{*}, Weitong Zhang, Quanquan Gu
ICML 25' (Spotlight, Top 2.6%)

A Comprehensive Dataset and Automated Pipeline for Nailfold Capillary Analysis
[Linxi Zhao](#), Jiankai Tang, Dongyu Chen, Xiaohong Liu, Yong Zhou, Yuanchun Shi, Guangyu Wang, Yuntao Wang
IEEE ISBI 24'

RESEARCH EXPERIENCE

Apple Machine Learning Research <i>Research Intern Mentor: Oncel Tuzel, Pavan Kumar Anasosalu Vasu</i>	Summer 2026 <i>Cupertino, CA</i>
ML Core Lab, Cornell <i>Graduate Research Assistant</i>	Aug. 2024 – Present <i>Ithaca, NY</i>
Artificial General Intelligence Lab, UCLA <i>Research Assistant Advisor: Quanquan Gu</i>	Jul. 2023 – Feb. 2024 <i>Los Angeles, CA</i>
Pervasive HCI Lab, Tsinghua University <i>Research Assistant Advisor: Yuntao Wang</i>	Jul. 2022 – Jan. 2023 <i>Beijing, China</i>

INVITED TALKS

Guest lecture in Cornell CS6784: Advanced Topics in Machine Learning	Sep. 2025
Invited talk at Xinya College, Tsinghua University	May. 2025
Invited talk at Caltech Foundation Models Workshop	Mar. 2025

TEACHING EXPERIENCE

Cornell CS3780/5780 Introduction to Machine Learning	Aug. 2024 – Dec. 2024
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PROFESSIONAL SERVICE

Co-Organizer of LM4Sci Workshop @ COLM 2025	Jul. 2025
Reviewer for ICML, ICLR, NeurIPS, COLM, CVPR	2024 – Present

EXTRACURRICULAR ACTIVITIES

Sports	
• Tsinghua Volleyball Team (Non-Athlete Track); Gold Medalist in Beijing Intercollegiate Tournament	2024
Volunteering	
• Volunteer Teacher for Left-Behind Children in Ningxia, Awarded Golden Social Practice Award	2021
• Founder and Sponsor, Tsinghua-YNSDFZ High School Volunteer Teaching Team	2020