

Bingsen (Bale) Chen

[Email](#) · [Homepage](#) · Phone: (+1) 917-561-3022 · New York, NY

Research interests

My research focuses on advancing language models in respect of analyzing and building **reliable and robust search agents**, and developing **post-training methods for agentic applications**. I am also interested in **automating researchers' workflow**, such as LLM-aided error analysis and interactive coding agents.

Education

- 2024 – Present **NYU Courant Institute of Mathematical Sciences** – New York, NY
PhD in Computer Science (Shanghai Track).
Advisor: [Prof. Chen Zhao](#) — GPA: 4.0/4
- 2020 – 2024 **New York University Shanghai** – Shanghai, China
New York University – New York, NY, United States
BS in Data Science (with Honors), minor in Computer Science.
GPA: 3.96 / 4.

Research Publications

- Under Submission **Beyond Single-shot Writing: Deep Research Agents are Unreliable at Multi-turn Report Revision**
Bingsen Chen*, Boyan Li*, Ping Nie, Yuyu Zhang, Xi Ye, Chen Zhao.
- ACL 2025 (Findings) **Inter-Passage Verification for Multi-evidence Multi-answer QA**
Bingsen Chen, Shengjie Wang, Xi Ye, Chen Zhao.
- EMNLP 2025 **SportReason: Evaluating Retrieval-Augmented Reasoning across Tables and Text for Sports Question Answering**
Kaiyue Feng, Siyue Zhang, **Bingsen Chen**, Yilun Zhao, Chen Zhao.

NAACL 2024 **Arithmetic Reasoning with LLMs: Prolog Generation & Permutation**
Xiaocheng Yang, **Bingsen Chen**, Yik-Cheung Tam.

Professional Experience

Dec 2025 – Present **Ant Group (Research Scientist Intern)** – Hangzhou, China
Research on LLaDA (Large-scale Diffusion Language Model) Post-training.
Contributor to [LLaDA 2.1](#) release, responsible for token editing SFT strategies.

May 2025 – August 2025 **Amazon (Applied Science Intern)** – Santa Clara, CA
Research on Automatic Error Pattern Characterization for fine-grained LLM diagnosis and improvement (under submission).

June 2023 – May 2024 **DAIL Lab (Research Assistant)** – NYU Shanghai
Mentor: Professor Chen Zhao (December 2023 – May 2024)
Research Topics: RAG, Multi-answer QA

Mentor: Professor Yik-Cheung Tam (June 2023 – December 2023)
Research Topics: RLHF, Dialogue State Tracking, Prolog Code Generation

Honors and Awards

2024 – Present **NYU Shanghai Doctoral Fellowship**, NYU Shanghai
2024 **Summa Cum Laude (Top 5%)**, NYU
University Honors Scholar, NYU
2020 – 2024 **Dean's List for Academic Year**, NYU Shanghai

Teaching experience

Spring 2024 **Lead Learning Assistant (Peer Tutor)**, NYU Shanghai
CSCI-SHU 360 Machine Learning.

Fall 2023 **Learning Assistant (Peer Tutor)**, NYU Shanghai
CSCI-SHU 360 Machine Learning.