Bingsen (Bale) Chen

Email • Homepage • 60 5th Ave, New York, NY

Research interests

RAG, Embedding Models, Automatic Error Analysis

Education

2024 – Present **NYU Courant Institute of Mathematical Sciences** – New York, NY
PhD in Computer Science (Shanghai Track).
Advisor: Prof. Chen Zhao.

2020 – 2024 **New York University Shanghai** – Shanghai, China
BS in Data Science (with Honors), minor in Computer Science.
GPA: 3.96 / 4.

Honors and Awards

2024 – Present **NYU Shanghai Doctoral Fellowship**, NYU Shanghai

2024 **Summa Cum Laude**, NYU Shanghai

University Honors Scholar, NYU

2020 – 2024 **Dean's List for Academic Year**, NYU Shanghai

2020 – 2023 **Recognition Award**, NYU Shanghai

2022 **Best Research Project in Undergraduate Research Symposium**, NYU Shanghai

Dean's Undergraduate Research Fund, NYU Shanghai

2020 **Global Elite Scholarship** (Top 30 incoming freshmen), NYU Shanghai

Publications

2025 **Inter-Passage Verification for Multi-evidence Multi-answer QA**
Bingsen Chen, Shengjie Wang, Xi Ye, Chen Zhao.
ACL 2025 (Findings).

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

Research experience

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

Mentor: Professor Yik-Cheung Tam (June 2023 – December 2023)
Research Topics: Reinforcement Learning from Human Feedback, Dialogue State Tracking with LLMs, Prolog Code Generation

June 2022 – January 2023 **DURF Summer Researcher**, NYU Shanghai
Mentor: Professor Mathieu Lauriere
Research Topic: Emoji-aided Social Media Sentiment Analysis

Teaching experience

Spring 2024 **Lead Learning Assistant**, NYU Shanghai
CSCI-SHU 360 Machine Learning.

Fall 2023 **Learning Assistant**, NYU Shanghai
CSCI-SHU 360 Machine Learning.

Industry experience

Summer 2025 **Amazon (Applied Science Intern)** – Santa Clara, CA
Research on explainability and observability of LLM agents.

Other interests

Bouldering, Trekking and Hiking, Soccer, Singing