

Bingsen (Bale) Chen

[Email](#) · [Homepage](#) · 60 Fifth Avenue, New York, NY

Research interests

Retrieval-augmented Language Models, Controllable Text Generation

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

- 2024 **Arithmetic Reasoning with LLMs: Prolog Generation & Permutation**
Xiaocheng Yang, **Bingsen Chen**, Yik-Cheung Tam.
NAACL 2024 (Poster). ArXiv:2405.17893.

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.

Other interests

Trekking and Hiking, Soccer, Bouldering, Singing