Bingsen (Bale) Chen

Email · Homepage · 251 Mercer St, 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. 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

Bouldering, Trekking and Hiking, Soccer, Singing