

Education

2019 – 2023 📖 (Summa Cum Laude) B.S. in CS, Turing Class, Peking University, GPA: 3.869/4 (1%)

2023 – 2028 📖 Ph.D. in CS, UT Austin.

Selected Publications

- 1 H. Li, Q. Chen, Y. Zhang, T. Yang, and B. Cui, “Stingy sketch: A sketch framework for accurate and fast frequency estimation,” *Proceedings of the VLDB Endowment*, vol. 15, no. 7, pp. 1426–1438, 2022.

Research Experience

- 2021 – 2023 📖 Research Assistant @ **Peking University**, advised by Prof. **Tong Yang**. I worked on six papers: **StingySketch @ VLDB’22** (first author), **membership theory** (first author, under revision), **Quantile Estimation** (co-first author, in submission), **Wind-Bell Index @ ICDE’23**, **REncoder @ ICDE’23** and **Stable Items @ IWQoS’23**.
- 2022 📖 Remote Research Assistant @ **Harvard University**, advised by Prof. **Minlan Yu**. I worked on a new switch architecture project which introduces 2d-mesh blocks for as-sorted stateful operations.
- 2023 📖 Research Assistant @ **UT Austin**, advised by Prof. **Aditya Akella**. I worked on one paper related to membership theory which is under revision by **SIGMOD’24**.

Work Experience

- 2020 – 2023 📖 Turing Class Monitor.
- 2021 📖 Teaching Assistant for Introduction to Computer Systems; Freshmen Counselor; Leader of the College Debating Team; Minister of the Zhongying Public Welfare Association.
- 2022 📖 Chair of Turing Student Research Forum.

Miscellaneous Experience

Undergraduate

- Scholarships 📖 **SenseTime Scholarship** (20,000 CNY), 2022; **Arawana Scholarship** (12,000 CNY), 2022; **National Scholarship** (1%, 16,000 CNY), 2020 & 2021; **Zhongying Moral Education Scholarship** (16,000 CNY), 2020-2023.
- Honors 📖 **Outstanding Graduate, Beijing** (5%), 2023; **Outstanding Graduate, Peking University**, 2023; **Weiming Scholar**, 2023; **Outstanding Undergraduate Thesis, Peking University** (3%), 2023; **Merit Student (1/26)**, 2020 & 2022; **Merit Student Pacesetter (1/26)**, 2021.
- Awards 📖 **Academic Innovation Award** (1%), 2022; **First Prize of Challenge Cup Research Competition** (1/11, 3,000 CNY), 2022; **First Prize of Huawei Cup Innovation Competition** (1/16, 4,000 CNY), 2022; **Outstanding Undergraduate Research Project** (4,000 CNY).