

HAOYU LI

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<http://lihy0529.github.io>

Update: Feb 13, 2023

EDUCATION

Peking University, School of Electronics Engineering and Computer Science

Beijing, China

(Expected) B.S. in CS (Turing Class)

GPA: 3.865/4.0

Rank: 1/200

Sep. 2019 - Jul. 2023

PUBLICATIONS

[ICDE'23] REncoder: A Space-Time Efficient Range Filter with Local Encoder. Ziwei Wang, Zheng Zhong, Jiarui Guo, Yuhan Wu, **Haoyu Li**, Tong Yang, Yaofeng Tu, Huanchen Zhang, Bin Cui.

[ICDE'23] Wind-Bell Index: Towards Ultra-Fast Edge Query for Graph Databases. Rui Qiu*, Yi Ming*, Yisen Hong*, **Haoyu Li**, Tong Yang.

[VLDB'22] Stingy Sketch: a Sketch Framework for Accurate and Fast Frequency Estimation. **Haoyu Li***, Qizhi Chen*, Yixin Zhang, Tong Yang, Bin Cui.

RESEARCH EXPERIENCE

- Peking University** Beijing, China
RA Interest: Probabilistic Algorithms Advisor: Prof. Tong Yang Jan. 2021 - May. 2022
- Harvard University** Cambridge, MA
RA Interest: Programmable Switch Architecture Advisor: Prof. Minlan Yu May. 2022 - now

ACADEMIC SERVICE

Peking University Beijing, China
Chair of Turing Student Research Forum Jun. 2022
TA for Introduction to Computer Systems 2021 Fall

SELECTIVE HONORS

Undergraduate

• Zhongying Moral Education Scholarship (2023 - 2020) • SenceTime Scholarship (2022) • Arawana Scholarship (2022) • National Scholarship (2021, 2020) • Academic Innovation Award (2022) • Merit Student (2022, 2020) • Merit Student Pacesetter (2021) • First Prize of Challenge Cup Research Competition (2022), Huawei Cup Innovation Competition (2022) and Chinese University Mathematical Olympiad Competition (2021)

SKILLS

Programming Languages: C/C++, Java, Python, Verilog, MySQL, P₄