

# HAOYU LI

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<http://lihy0529.github.io>

Update: Feb 13, 2023

## EDUCATION

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**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

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[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

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### • Peking University

Beijing, China

RA

Interest: DB and Prob. Algorithm

Advisor: Prof. Tong Yang

Jan. 2021 - May. 2022

### • Harvard University

Cambridge, MA

RA

Interest: Programmable Switch Arch.

Advisor: Prof. Minlan Yu

May. 2022 - Jan. 2023

## ACADEMIC SERVICE

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### Peking University

Beijing, China

Chair of Turing Student Research Forum

Jun. 2022

TA for Introduction to Computer Systems

2021 Fall

## SELECTIVE HONORS

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### Undergraduate

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

## SKILLS

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Programming Languages: C/C++, Java, Python, Verilog, MySQL, P<sub>4</sub>