



## Wentao Huang

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📍 COM1-01-08 Database Research Lab 1,  
13 Computing Drive, Singapore, 117417.

### Education

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Aug 2020 – Present

#### National University of Singapore

- Ph.D. in Computer Science
- Supervisor: Kian-Lee Tan
- GPA: 4.70/5.00

Sep 2017 – Jun 2020

#### Renmin University of China

- M.Sc in Computer Science
- Supervisor: Ju Fan
- GPA: 3.74/4.00

Sep 2013 – Jun 2017

#### Shandong University

- B.Eng in Electronic Engineering, SITP Elite Class
- GPA: 90.22/100.00
- Rank: 3/39

### Internship

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Jul 2018 – Feb 2019

#### Advanced Digital Sciences Center, Singapore

- Research Engineer
- Mentor: Yuchen Li

### Publications

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FCS 2024

#### HeterMM: applying in-DRAM index to heterogeneous memory-based key-value stores.

- Yunhong Ji, **Wentao Huang**, Xuan Zhou.
- Frontiers of Computer Science.

EDBT 2024

#### TaC: An Anti-Caching Key-Value Store on Heterogeneous Memory Architectures.

- Yunhong Ji, **Wentao Huang**, Xuan Zhou, Bingsheng He, Kian-Lee Tan.
- 27th International Conference on Extending Database Technology.

VLDB 2023

#### A Design Space Exploration and Evaluation for Main-Memory Hash Joins in Storage Class Memory.

- **Wentao Huang**, Yunhong Ji, Xuan Zhou, Bingsheng He, Kian-Lee Tan.
- 49th International Conference on Very Large Data Bases.

SIGIR 2020

#### BiANE: Bipartite Attributed Network Embedding.

- **Wentao Huang**, Yuchen Li, Yuan Fang, Ju Fan, Hongxia Yang.
- 43rd International ACM SIGIR Conference on Research and Development in Information Retrieval.

### Services

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2024

#### Research Session Deputy Chair

- EDBT'24.

2024

#### Invited Reviewer

- ISCAS'24.

- 2023 **Artifact Evaluation Committee**  
• SOSp'23, OSDI'23, USENIX ATC'23, EuroSys'23.

### Projects

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- Jul 2018 – Aug 2018 **Apache SINGA**  
• Source code: <https://github.com/apache/singa>

### Teaching

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- Jan 2021 - May 2022 **CS3223: Database Systems Implementation**  
• Teaching Assistant  
• National University of Singapore

- Feb 2019 - Jun 2019 **Linear Algebra**  
• Teaching Assistant  
• Renmin University of China

- Feb 2018 - Jun 2018 **Introduction to Computer Science**  
• Teaching Assistant  
• Renmin University of China

### Awards & Prizes

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- Aug 2023 – Jul 2024 **Research Achievement Award**  
• National University of Singapore

- Aug 2020 – Jul 2024 **The NUS Research Scholarship**  
• National University of Singapore

- Sep 2017 – Jun 2020 **The Postgraduate Scholarship**  
• Renmin University of China

- Sep 2013 – Jun 2017 **The Undergraduate Scholarship**  
• Shandong University

- May 2016 **The Challenge Cup**  
• Gold Award  
• Shandong University

- Oct 2015 **Innovation and Entrepreneurship Competition**  
• First Prize  
• Shandong Province

- Mar 2015 **The Chinese Mathematics Competitions**  
• Third Prize  
• China

- Sep 2014 **National Undergraduate Electronic Design**  
• Second Prize  
• Shandong Province

- Apr 2014 **University Football Cup**  
• Champion  
• Shandong University

### Miscellaneous

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- Sep 2018 - Present **Open Water Diver**  
• Scuba Schools International

*Sep 2018 - Aug 2019* **Moderator of Technical Q&A**  
• TensorFlow China Community

*Feb 2016 - Jun 2017* **SITP (CAS) Elite Class**  
• Shandong University

*Aug 2014 - Jul 2015* **Minister of English Broadcasting Station**  
• Shandong University