

EDUCATION	<p>Ph.D. Candidate in Computer Science Aug. 2019 – present Tsinghua University GPA: 92/100 Advisor: Prof. Mingyu Gao</p> <p>B. Eng. In Computer Science Sept. 2015 – Jun. 2019 University of Chinese Academy of Sciences GPA: 3.87/4</p> <p>Visiting Student at University of Southern California Jan. 2018 – May 2018 Viterbi School of Engineering</p>
AWARDS	<p>University Scholarship, UCAS 2015 – 2019</p> <p>Excellent Student Cadres, UCAS 2015 – 2019</p> <p>Outstanding Visiting Student, Institute of Computing Technology, CAS December 2018</p> <p>Nominate of Outstanding Undergraduate Thesis June 2019</p>
PUBLICATIONS	<ul style="list-style-type: none"> • Ke Wang, Guanqun Yang, Yiwei Li, Huanchen Zhang, Mingyu Gao. “When Tree Meets Hash: Reducing Random Reads for Index Structures on Persistent Memories,” in Proceedings of the 2023 ACM SIGMOD International Conference on Management of Data (SIGMOD) • Yiwei Li, Mingyu Gao. “Baryon: Efficient Hybrid Memory Management with Compression and Sub-Blocking,” in <i>2023 IEEE International Symposium on High Performance Computer Architecture (HPCA)</i>. • Zihao Yu, Zhigang Liu, Yiwei Li, Bowen Huang, Sa Wang, Ninghui Sun, Yungang Bao. “Labeled RISC-V. Journal of Computer Research and Development,” in <i>Practice of Chip Agile Development</i>, 2018
EXPERIENCE	<p>Teaching Assistant February – May 2020</p> <ul style="list-style-type: none"> • Computer Architecture for the Yao class February – May 2021 <p>Research Assistant June – August 2021 Institute for Interdisciplinary Information Core Technology, Xi’an, China</p> <ul style="list-style-type: none"> • Advisor: Prof. Mingyu Gao • Collaborated in the design of homomorphic encryption accelerator <p>Research Assistant August 2018 – May 2019 Institute of Computing Technology, CAS,</p>

Beijing, China

- Advisor: Prof. Yungang Bao
- Refactored part of the Labeled RISC-V implementation in Chisel for agile development and high performance
- Designed a high-performance non-blocking last level cache

Research Assistant

January 2017

Technology and Engineering Center for Space
Utilization

- Advisor: Academician Yidong Gu
- Implemented a 3D rendering framework for aerospace exhibition

Community Service

- Volunteered in the USC Joint-Educational- January – April 2018
Project