CURRICULUM VITAE

BASIC INFORMATION

Name: Zhiyao Li   Gender: Male
E-Mail: lizhiyao19@mails.tsinghua.edu.cn   Age: 26

EDUCATION BACKGROUND

Ph.D. —— 2019 - present:
 Institude for Interdisciplinary Information Sciences, Tsinghua University
 Research fields: Computer system and architecture
 Advisor: Prof. Mingyu Gao

Bachelor —— 2015 - 2019:
 School of Computer Sciences, Chongqing University
 GPA: 3.86   Rank: 1/208   CET-6: 572   TOEFL: 97
 Advisor: Prof. Jiang Zhong

RESEARCH INTERESTS

Dataflow accelerator design scheduling for AI;
Sparse tensor algebra optimization and hardware acceleration;
LLM serving system optimization;

RESEARCH PAPERS

SPADA: Accelerating Sparse Matrix Multiplication with Adaptive Dataflow
 Accepted by ASPLOS' 23, First Author
 https://dl.acm.org/doi/10.1145/3575693.3575706

Flexible Dataflow Accelerator for Dynamic Neural Networks
 Submitted to ASPLOS'24, First Author

KAPLA: Pragmatic Representation and Fast Solving of Scalable NN Accelerator
Dataflow
 Submitted to TOCS, First Author
 https://arxiv.org/abs/2306.15676

INTERN & VISITING EXPERIENCE

Stanford University
    Pervasive Parallel Lab, led by Prof. Kunle Olukotun
    2023.07 – 2023.12
Ali DAMO Academy
    Computing Technology Lab, led by Prof. Yuan Xie
    2022.08 – 2023.07
Huawei
    2018.07 – 2018.11

HONORS AND AWARDS

National Scholarship
National College Student Mathematics Competition, Second Prize

T. A . EXPERIENCE

Undergrad course: Computer system and Architecture, 2022 Fall
Graduate course: Computer system and Architecture, 2020 Fall