

# Chao Jin

SENIOR UNDERGRADUATE STUDENT · PEKING UNIVERSITY

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## Education

### Peking University

PH.D. IN COMPUTER SOFTWARE AND THEORY

- Advisor: Prof. Xin Jin

Beijing, China

Sep. 2023 - Present

### Peking University

B.SC. IN COMPUTER SCIENCE AND TECHNOLOGY

- GPA: 3.82/4.0, Ranking: 5/205

Beijing, China

Sep. 2018 - Jun. 2023

## Experience

### ByteDance Seed-Foundation

RESEARCH INTERN

- Mentor: Haibin Lin

Beijing, China

Jul. 2023 - Present

### Software Engineering Institute, PKU

RESEARCH ASSISTANT

- Advisor: Prof. Xin Jin

Beijing, China

Sep. 2021 - Jun. 2023

### Alibaba Cloud

RESEARCH INTERN

- Mentor: Rui Miao

Beijing, China

Mar. 2022 - Sep. 2022

## Teaching Experience

### Operating Systems (Honor Track)

TEACHING ASSISTANT

Peking University

Feb. 2024 - Jun. 2024

### Introduction to Computer System

TEACHING ASSISTANT

Peking University

Sep. 2021 - Jan. 2022

## Publications

### RAGCache: Efficient Knowledge Caching for Retrieval-Augmented Generation

IN PREPRINT.

- Chao Jin, Zili Zhang, Xuanlin Jiang, Fangyue Liu, Xin Liu, Xuanzhe Liu, Xin Jin

Apr. 2024

### Jolteon: Unleashing the Promise of Serverless for Serverless Workflows

USENIX SYMPOSIUM ON NETWORKED SYSTEMS DESIGN AND IMPLEMENTATION (NSDI)

- Zili Zhang, Chao Jin, Xin Jin

Santa Clara, CA, U.S.

Apr. 2024

### Ditto: Efficient Serverless Analytics with Elastic Parallelism

ACM SPECIAL INTEREST GROUP ON DATA COMMUNICATION (SIGCOMM)

- Chao Jin, Zili Zhang, Xingyu Xiang, Songyun Zou, Gang Huang, Xuanzhe Liu, Xin Jin

New York City, NY, U.S.

May 2023

### Fast, Approximate Vector Queries on Very Large Unstructured Datasets

USENIX SYMPOSIUM ON NETWORKED SYSTEMS DESIGN AND IMPLEMENTATION (NSDI)

- Zili Zhang, Chao Jin, Linpeng Tang, Xuanzhe Liu, Xin Jin

Boston, MA, U.S.

Apr. 2023

### Melon: Breaking the Memory Wall for Resource-Efficient On-Device Machine Learning

ACM INTERNATIONAL CONFERENCE ON MOBILE SYSTEMS, APPLICATIONS, AND SERVICES (MOBISYS)

- Qipeng Wang, Mengwei Xu, Chao Jin, Xinran Dong, Jinliang Yuan, Gang Huang, Xin Jin, Yunxin Liu, Xuanzhe Liu

Portland, OR, U.S.

Jun. 2022

## Honors & Awards

## UNIVERSITY AWARDS

2024 **Merit Student**, Peking University Award  
2024 **Huawei Scholarship**, Peking University Award  
2023 **Presidential Scholarship**, Peking University Award  
2021 **Learning Excellence Award**, Peking University Award  
2020 **Merit Student**, Peking University Award  
2020 **Xiaomi Scholarship**, Peking University Award

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