

# XINKAI WANG

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Shanghai Jiao Tong University, Shanghai, China, 200240

## RESEARCH INTERESTS

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Power Management, Computer Architecture, Computer Systems

## EDUCATION

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**Shanghai Jiao Tong University**

1th Year, Ph.D. Student

Department of Computer Science and Engineering

Sep. 2021 - Present

Supervisor: Prof. Chao Li

**Shanghai Jiao Tong University**

B.S. Computer Science and Technology

Department of Computer Science and Engineering

Sep. 2017 - June 2021

**Shanghai Jiao Tong University**

Zhiyuan Honors Program of Engineering

Zhiyuan College

Sep. 2017 - June 2021

## PUBLICATIONS

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### CONFERENCES

**Xinkai Wang**, Chao Li, Lu Zhang, Xiaofeng Hou, Quan Chen, and Minyi Guo “Enabling Efficient Request Management through Microservice Level Parallelism”. *International Parallel and Distributed Processing Symposium (IPDPS)*, May. 2022

### UNDER REVIEW

Lu Zhang, Chao Li, **Xinkai Wang**, Weiqi Feng, Zheng Yu, and Minyi Guo, “ABC: Power Management for Serverless Functions”. (*Submitted to ISCA 2022*)

## PATENTS

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**Chinese Patent**, CN202110659654.5

*Power management for serverless functions based on intermediate representation*

2021

## HONORS AND AWARDS

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**Excellent Student Scholarship** (*3 in CSE Department*)

2021

**Outstanding Graduate** (*Top 15% in SJTU Bachelors*)

2021

**Zhiyuan Honor Degree of Bachelor** (*Top 1% in All Engineering Departments*)

2021

**Outstanding Thesis of Bachelor** (*Top 5% in CSE Department*)

2021

**First-class Scholarship** (*1st in CSE Department of SJTU*)

2020

**Zhiyuan Honor Scholarship** (*Top 5% in All Engineering Departments*)

2017 - 2020

**Third Prize** First Huawei Cloud Technology Innovation Competition

2020

## INDUSTRY EXPERIENCE

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**Developer Intern** YouTu Lab, Tencent Inc., Shanghai

June 2020 - Sep. 2020

*I finish the deployment of running system with K8S and ELK.*

## TEACHING EXPERIENCE

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**Teaching Assistant @CS236** - Cloud Computing Technology Fall, 2021  
*I schedule the project of cloud computing on Huawei Cloud.*

**Teaching Assistant @CS359** - Computer Architecture Fall, 2019  
*I finish the homework correction of the course.*

## SERVICES

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### Volunteer Services

Volunteer of the 2nd Excellent Young Scholar Forum of CSE Department 2020  
Tutors of the Freshmen of CSE Department 2021

### Review Services

Reviewer of ISCA(2021), HPCA(2022), ASPLOS(2022), ICDCS(2021).

## PROFESSIONAL ACTIVITIES

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**Student Member** Institute of Electrical and Electronics Engineers (IEEE)  
**Student Member** Association for Computing Machinery (ACM)  
**Student Member** China Computer Federation (CCF)

## SKILLS

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**Programming skills:** C/C++, Python, Go, Matlab(basic)  
**Software and Framework:** Latex, Docker, K8S  
**Extracurriculars:** Badminton, Basketball  
**Languages:** Chinese(native), English(fluent).