

# XINQI CHEN

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## 🎓 EDUCATION

**Shanghai Jiao Tong University (SJTU)**, Shanghai, China 2021.09 – Present

*Phd student* in Computer Science (CS), expected June 2026

GPA: 3.8/4.0 (Top 10%)

**Sun-Yat Sen University (SYSU)**, Guangzhou, China 2017.09 – 2021.06

*B.S.* in Electronics Engineering (EE)

GPA: 3.9/5.0 (Top 10%)

## 👥 EXPERIENCE

**Alibaba Cloud, Elastic Block Storage Team** Hangzhou, China 2023.09 – Present

*Alibaba Innovative Research Intern* Advisor: Erci Xu

Design and develop a proactive and reactive mixed scheduler named *Omar* for the proxy layer in Alibaba Elastic Block Storage. *Omar* can enhance tail latency performance by 60.0% compared to existing solutions.

**Alibaba Cloud, Pangu AutoOps Team** Hangzhou, China 2022.07 – 2023.09

*Alibaba Innovative Research Intern* Advisor: Erci Xu

Design and develop an RL-based scheduler named *MasterPlan* for archival storage systems. *MasterPlan* can achieve  $1.25\times$  throughput and  $1.47\times$  power draw improvement compared to existing solutions.

**Pudu Robotics, Algorithm Development Team** Shenzhen, China 2020.10 – 2021.01

*Algorithm Development Intern* Advisor: Cong Guo

Develop a small object recognition algorithm for the delivery robot using RGB-D cameras.

## 📄 PAPERS

- **Xinqi Chen**, Weidong Zhang, Zhongyu Wang, Erci Xu, Dong Wu, Xiaolu Zhang, Haonan Wu, Yaheng Song, Chaolei Hu, Ruiming Lu, Guangtao Xue, Lijun Ding. Come for the QoS, Load Best Not Balanced: Scheduling Cloud Block Store with Omar. *USENIX ATC (CCF A, Submitted)*. 2025.
- Lanqing Yang, **Xinqi Chen**, Hao Pan, Yi-Chao Chen, Guangtao Xue, Zechen Li, Yiheng Bian, Dian Ding, Linghe Kong, Jiadi Yu, Feng Lyu, Minglu Li, Ziyu Shen, and Bo Zhang. MagPrint++: Continuous User Fingerprinting On Mobile Devices Using Electromagnetic Signals. *IEEE Transaction on Mobile Computing (CCF A, Major Revision)*. 2025.
- **Xinqi Chen**, Erci Xu, Dengyao Mo, Ruiming Lu, Haonan Wu, Dian Ding, Guangtao Xue. MasterPlan: A Reinforcement Learning Based Scheduler for Archive Storage. *ACM Transaction on Architecture and Code Optimization (CCF A)*. 2024.
- Haonan Wu, Erci Xu, Ligang Wang, Yuandong Hong, Changsheng Niu, Bo Shi, Lingjun Zhu, Jinnian He, Dong Wu, Weidong Zhang, Qiuping Wang, Changhong Wang, **Xinqi Chen**, Guangtao Xue, Yi-Chao Chen, Dian Ding. Hey Hey, My My, Skewness Is Here to Stay: Challenges and Opportunities in Cloud Block Store Traffic. *ACM EuroSys (CCF A)*. 2024.
- Lanqing Yang, **Xinqi Chen**, Xiangyong Jian, Leping Yang, Yijie Li, Qianfei Ren, Yi-Chao Chen, Guangtao Xue, Xiaoyu Ji. Remote Attacks on Speech Recognition Systems Using Sound from Power Supply. *USENIX Security Symposium (CCF A)*. 2023.

## ⚙️ SKILLS & LANGUAGES

- Skills: Python, C/C++, Golang, Latex, Shell, Linux, Docker
- Languages: Chinese (Native), English (CET-6 594)