Xinqi Chen (陈欣祺)

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🎓 Education

Shanghai Jiao Tong University (SJTU), Shanghai, China　　　　　　　2021.09 – Present
Ph.D. student in Computer Science (CS), expected to graduate in 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% 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, et al. Come for the QoS? Load Best Not Be Balanced! Scheduling Cloud Block Store Proactively and Reactively with Omar. (**In submission**). 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)