

Lihao Wang

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RESEARCH INTERESTS

My current research interests include mobile and ubiquitous computing, Human-Computer Interaction (HCI), and the Internet of Things (IoT). Besides, I have a broad interest in network systems as well.

EDUCATION

Johns Hopkins University

Baltimore, United States

PhD in Computer Science

Present

Advisor: Renjie Zhao

Nanjing University

Nanjing, China

M.Sc. in Computer Science and Technology

2021.09 - 2024.06

Advisor: Haipeng Dai, Wei Wang

Jilin University

Changchun, China

B.Sc. in Computer Science and Technology

2017.09 - 2021.06

Enrolled in Tang Ao-qing Honors program

EMPLOYMENT

Microsoft Research Asia

Shanghai, China

Research Intern

2023.02 - 2023.08

Mentor: Lili Qiu

PUBLICATIONS

- [1] **Lihao Wang**, Weijun Wang, Haipeng Dai, Yuben Qu, Jiaqi Zheng, Rong Gu, Guihai Chen, and Xiaoming Fu. “Joint Deployment of Truck-drone Systems for Camera-based Object Monitoring”. In: *IEEE Transactions on Mobile Computing* (2024), pp. 1–18. DOI: 10.1109/TMC.2024.3367849.
- [2] Yuben Qu, **Lihao Wang**, Haipeng Dai, Weijun Wang, Chao Dong, Fan Wu, and Song Guo. “Server Placement for Edge Computing: A Robust Submodular Maximization Approach”. In: *IEEE Transactions on Mobile Computing* 22.6 (June 2023), pp. 3634–3649. DOI: 10.1109/TMC.2021.3136868.
- [3] **Lihao Wang**, Wei Wang, Haipeng Dai, and Shizhe Liu. “MagSound: Magnetic Field Assisted Wireless Earphone Tracking”. In: *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies* 7.1 (Mar. 2023), pp. 1–32. DOI: 10.1145/3580889.
- [4] Yuben Qu, Haipeng Dai, **Lihao Wang**, Weijun Wang, Fan Wu, Haisheng Tan, Shaojie Tang, and Chao Dong. “CoTask: Correlation-aware Task Offloading in Edge Computing”. In: *World Wide Web* 25.5 (Sept. 2022), pp. 2185–2213. DOI: 10.1007/s11280-022-01047-w.
- [5] **Lihao Wang**, Weijun Wang, Haipeng Dai, Jiaqi Zheng, Bangbang Ren, Shuyu Shi, and Rong Gu. “DUET: Joint Deployment of Trucks and Drones for Object Monitoring”. In: *2022 IEEE/ACM 30th International Symposium on Quality of Service (IWQoS)*. Oslo, Norway: IEEE, June 2022, pp. 1–10. DOI: 10.1109/IWQoS54832.2022.9812917.
- [6] **Lihao Wang**, Yu Jiang, and Hong Qi. “Marine Dissolved Oxygen Prediction With Tree Tuned Deep Neural Network”. In: *IEEE Access* 8 (2020), pp. 182431–182440. DOI: 10.1109/ACCESS.2020.3028863.

AWARDS AND SCHOLARSHIPS

- Nanjing University CS Distinguished Master Thesis Award (Top 5 out of 205), Nanjing University, 2024
- Distinguished Graduates, Nanjing University, 2024
- The Third Class Scholarship, Jilin University, 2020
- The First Class Scholarship, Jilin University, 2018

PRESENTATIONS

- MagSound: Magnetic Field Assisted Wireless Earphone Tracking
Conference talk at UbiComp, Cancun, Mexico, October 2023

PROFESSIONAL SERVICES

- Reviewer of IEEE Systems Journal