

Haoran Dang (党浩然)

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EDUCATION

- **Institute of Computing Technology, Chinese Academy of Sciences** Sep 2022 - Present
Postgraduate Student in Electronic Information Beijing, China
Supervisor: Prof. Dongrui Fan
- **ShanghaiTech University** Sep 2018 - Jun 2022
Bachelor of Engineering in Computer Science and Technology Shanghai, China
GPA: 3.50/4.00 Rank in major: 55/194 (28.4%) Full transcript: danghr.cn/ugten

RESEARCH

- Papers & Articles

- [Haoran Dang](#), Chongnan Ye, Yanpeng Hu, and Chundong Wang, "**NobLSM: An LSM-tree with Non-blocking Writes for SSDs**," in *Proceedings of the 59th ACM/IEEE Design Automation Conference*, 2022, pp. 403–408. DOI: [10.1145/3489517.3530470](https://doi.org/10.1145/3489517.3530470).
- Duo Wang, Mingyu Yan, Yihan Teng, Dengke Han, Haoran Dang, Xiaochun Ye, and Dongrui Fan, "**A Transfer Learning Framework for High-accurate Cross-workload Design Space Exploration of CPU**," Accepted by the *42nd International Conference on Computer-aided Design*, 2023.

- Research Experience

- **Lab of Graph Intelligent Machine** HTCRC, ICT, CAS Dec 2021 - Present
Director: Prof. Mingyu Yan Beijing, China
 - Finished a project to acceleration of GNN training on multi-GPU architecture as the undergraduate FYP.
- **Toast Lab** SIST, ShanghaiTech Jul 2021 - Jan 2022
Director: Prof. Chundong Wang Shanghai, China
 - Designed and implemented the database part in NobLSM and benchmarked the optimized system.
- **Attitude Research Lab** SEM, ShanghaiTech Sep 2020 - Sep 2021
Director: Prof. Lifeng Yang Shanghai, China
 - Participated in preparation of the book *Ethics and Morality in Information Science and Technology*.

TEACHING

- **Operating System I (TA)** ShanghaiTech Fall, AY 2021-2022

LANGUAGE & STANDARDIZED TESTS

- **Graduate Record Examination (GRE)** Score: 328 Aug 2022
Verbal Reasoning: 158 Quantitative Reasoning: 170 Analytical Writing: 4
- **College English Test Band 6 (CET-6)** Score: 572 Jun: 2021
Listening: 198 Reading: 211 Writing & Translation: 163

CERTIFICATES & AWARDS

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|---|--------------|----------|
| • 2022 SIST Outstanding Thesis (for final year project) | ShanghaiTech | Jun 2022 |
| • Excellent Individual of Industrial Practice in Class of 2018 | ShanghaiTech | Jun 2021 |
| • Excellent Individual of Social Practice in 2019 | ShanghaiTech | Nov 2019 |

VOLUNTARY SERVICE

- On-campus

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|---|--------------|----------|
| • 2020 Freshmen Enrollment
– Guidance in baggage claim of postgraduate students. | ShanghaiTech | Sep 2020 |
| • 2020 Campus Opening Day
– Participated device check and exam download. | ShanghaiTech | Jul 2020 |
| • 2019 Undergraduate Admission
– Participated in admission consultation in Beijing. | ShanghaiTech | Jun 2019 |