

# 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](http://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: Assoc. 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: Assist. 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: Assoc. 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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- |   |              |          |
|---|--------------|----------|
| • <b>2022 SIST Outstanding Thesis</b> (for final year project)        | ShanghaiTech | Jun 2022 |
| • <b>Excellent Individual of Industrial Practice in Class of 2018</b> | ShanghaiTech | Jun 2021 |
| • <b>Excellent Individual of Social Practice in 2019</b>              | ShanghaiTech | Nov 2019 |

## VOLUNTARY SERVICE

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### - On-campus

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