

# Haoran Dang (党浩然)

✉ danghr@outlook.com / 💻 danghr.com

## EDUCATION

- **Institute of Computing Technology, Chinese Academy of Sciences** Sep 2022 - Present  
Postgraduate Student in Electronic Information Beijing, China  
Supervisor: Prof. Dongrui Fan  
GPA: 3.81/4 Transcript: danghr.com/mten
- **ShanghaiTech University** Sep 2018 - Jun 2022  
Bachelor of Engineering in Computer Science and Technology Shanghai, China  
GPA: 3.50/4 Rank in major: 55/194 (28.4%) Transcript: danghr.com/ugten

## RESEARCH

### - Papers & Articles

- H Dang, C Ye, Y Hu, and C Wang, "**NobLSM: An LSM-tree with Non-blocking Writes for SSDs**," *DAC 2022*. DOI: 10.1145/3489517.3530470.
- D Wang, M Yan, Y Teng, D Han, H Dang, X Ye, and D Fan, "**A Transfer Learning Framework for High-accurate Cross-workload Design Space Exploration of CPU**," *ICCAD 2023*. DOI: 10.1109/ICCAD57390.2023.10323840

### - 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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| • <b>"Sunflower Activity" - Haidian Hospital Volunteers</b>                                    | ICT, CAS     | Dec 2023 |
| – Assisted the Service Center in answering patients' questions and printing pathology reports. |              |          |
| • <b>2020 Freshmen Enrollment</b>  | ShanghaiTech | Sep 2020 |
| – Guidance in baggage claim of postgraduate students.  |              |          |
| • <b>2020 Campus Opening Day</b>   | ShanghaiTech | Jul 2020 |
| – Participated device check and exam download.   |              |          |
| • <b>2019 Undergraduate Admission</b>  | ShanghaiTech | Jun 2019 |
| – Participated in admission consultation in Beijing.   |              |          |