Yangshen Deng

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🎓 Education

Southern University of Science and Technology (SUSTech), China   Sept. 2022 – Jun. 2025

Master student in Computer Science (CS), supervised by Professor *Bo Tang* in *Database Group*

Beijing University of Posts and Telecommunications (BUPT), China   Sept. 2018 – Jun. 2022

Bachelor of Engineering in Computer Science (CS)

✏ Publications

Accelerating Merkle Patricia Trie with GPU

Yangshen Deng, Muxi Yan, Bo Tang. *PVLDB 2024* [CODE]

GHive: Accelerating Analytical Query Processing in Apache Hive via CPU-GPU Heterogeneous Computing

Haotian Liu, Bo Tang, Jiashu Zhang, Yangshen Deng, et al. *SoCC 2022* [PDF] [CODE]

GHive: A Demonstration of GPU-Accelerated Query Processing in Apache Hive

Haotian Liu, Bo Tang, Jiashu Zhang, Yangshen Deng, et al. *SIGMOD 2022* demo track [PDF]

💬 Academic Experiences

Reviewer of *SIGMOD 2023* Availability and Reproducibility   2023

👥 Industry Experiences

Huawei: Gauss Database Group, 2012 Lab   Feb. 2022 – Jun. 2022

Database Develop Intern

Alibaba: Alipay, Ant Group   Jul. 2021 – Sept. 2021

Software Develop Intern

📖 Teaching Experiences

Teaching assistant of *Data Structures and Algorithms* at SUSTech   2023 Fall
Teaching assistant of *Operating System* at SUSTech   2022 Spring

♡ Awards

Outstanding Graduate Student of Southern University of Science and Technology   2024
Winning Prize of Oceanbase Developer Competition. (Rank 9th out of 1180 teams)   Mar. 2023
Outstanding Student Award of VLDB Summer School   2022
Scholarship of Beijing University of Post and Telecommunications   2019 – 2021

⚙ Skills

Programming Languages: C/C++, CUDA, Golang, Python, SQL, Matlab, JavaScript, Scala
Profiling Tools: VTune, Perf, Nsight Compute, Nsight System, Compute Sanitizer