

# 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

B.S. in Computer Science (CS)

## 🔧 PUBLICATIONS

### Accelerating Merkle Patricia Trie with GPU

Yangshen Deng, Muxi Yan, Bo Tang. *VLDB 2024 (To Appear)* [\[CODE\]](#)

### 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* [\[PDF\]](#)

## 💬 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