

EDUCATION	Turing Honor Class, Southern University of Science and Technology (SUSTech) Shenzhen, China <i>B.E. in Computer Science and Technology</i> 2022 - 2026 <ul style="list-style-type: none">• Advisor: Prof. Bo Tang• GPA: 3.91/4.00 (First 3 Years).
PUBLICATIONS	<ol style="list-style-type: none">1. Yangshen Deng, Shiwen Chen, Zhaoyang Hong, Bo Tang. <u>How Does Software Prefetching Work on GPU Query Processing?</u> <i>20th International Workshop on Data Management on New Hardware (DaMoN)</i>, affiliated with SIGMOD, Santiago, Chile, June 2024.2. Yangshen Deng, Zhengxin You, Long Xiang, Qilong Li, Peiqi Yuan, Zhaoyang Hong, Yitao Zheng, Wanting Li, Runzhong Li, Haotian Liu, Kyriakos Mouratidis, Man Lung Yiu, Huan Li, Qiaomu Shen, Rui Mao, Bo Tang. <u>AlayaDB: The Data Foundation for Efficient and Effective Long-context LLM Inference</u> (Submitted to SIGMOD 2025 Industry Track)
INTERNSHIPS	University of Michigan Ann Arbor, U.S. Feb 2025 – Aug 2025 (expected) <ul style="list-style-type: none">• Advisor: Prof. Lin Ma• GPU-accelerated Database
AWARDS	<ul style="list-style-type: none">• 47th International Collegiate Programming Contest (ICPC) World Finalist Nov 2022• 9th China Collegiate Programming Contest (CCPC) Regional 2nd runner-up Oct 2023• 2024 SIGMOD Programming Contest World Finalist Apr 2024
SERVICES	<ul style="list-style-type: none">• Teaching Assistant, CS209 <i>Introduction to Java Programming</i> Spring 2024• Teaching Assistant, CS203 <i>Data Structures and Algorithm Analysis</i> Fall 2024• Student Coach, <i>SUSTech-CPC Competition Team</i> 2023• Problem Setter and Organizer, <i>SUSTech Programming Competition (On-Site)</i> 2023• Instructor, <i>Olympic in Informatics (OI) Course for The High school Affiliated to Southern University of Science and Technology (HSAS)</i> Summer 2023• Instructor, <i>X-Camp Summer Camp</i> Summer 2024
PROJECTS	FPGA Controller for Game Overcooked! <i>CS211 Digital Logic (H)</i> Bullet Comments System Backend in Java with PostgreSQL <i>CS213 Principles of Database Systems (H)</i> Pipelined CPU Implementation in Verilog <i>CS214 Computer Organization (H)</i> Build Your Own Vim Editor <i>CS219 Advanced Programming</i> Reliable Data Transfer Implementation over UDP Sockets <i>CS305 Computer Networks</i> GAN-based Data Augmentation for Self-Driving Object Detection <i>CS329 Machine Learning (H)</i> Virtio-GPU Implementation for Asterinas OS Kernel <i>CS334 Operating Systems (H)</i>