

Xiaozhi Zhu

✉ zhuxiaozhi@sjtu.edu.cn | 🌐 Portfolio | 📍 Shanghai, China

EDUCATION

Shanghai Jiao Tong University

Master in Computer Science and Technology

Shanghai, China

Sep 2025 – Present

Shanghai Jiao Tong University

Bachelor (Honor) in Computer Science and Technology; GPA: 4.047/4.3

Shanghai, China

Sep 2021 – Jun 2025

Score: 93.53/100 (Ranking: 5/102)

SKILLS

Programming Languages: C++, Python

Research Interests: Distributed Computing, System Optimization

Languages: English (CET-4: 678, CET-6: 596), Chinese (Native)

PROJECT EXPERIENCE

National Key Research Project (Tsinghua Univ.)

Research on resource management in satellite constellation systems.

Researcher/Developer

May 2025 – Present

SpaceExit Project

Satellite computing architecture optimization.

Researcher/Developer

Nov 2023 – Jul 2025

- Designed adaptive edge computing system for LEO satellites.
- Developed geospatial context-based adaptive detector and complexity-driven task scheduler.
- Published in USENIX ATC 2025.

MMBench Project

End-to-end benchmarking tool for multi-modal DNNs.

Researcher/Developer

Jan 2023 – Feb 2025

- Analyzed hardware-software implications.
- Won ACM SIGMETRICS SRC Gold Medal.

PUBLICATIONS

SpaceExit: Enabling Efficient Adaptive Computing in Space with Early Exits

- Jiacheng Liu, **Xiaozhi Zhu**, Tongqiao Xu, Xiaofeng Hou, Chao Li
- 2025 USENIX Annual Technical Conference (USENIX ATC 25), pages 1343–1358. (* Co-first authors)

An End-to-End Benchmarking Tool for Analyzing the Hardware-Software Implications of Multi-modal DNNs

- Tianhao Huang, **Xiaozhi Zhu**, Mo Niu
- ACM SIGMETRICS Performance Evaluation Review, vol. 51, no. 3, pages 25–27, 2024.

Sub-model Parallelism: A Scale-out Deployment Method for Large Multi-modal DNNs

- Tianhao Huang, Lingyu Sun, Xiaofeng Hou, **Xiaozhi Zhu**, Xinfeng Xia, Yutong Wang, Mingxi Chen, Chao Li
- 2024 IEEE 24th International Symposium on Cluster, Cloud and Internet Computing (CCGrid), pages 651–657.

Mmbench: Benchmarking end-to-end multi-modal dnn and understanding their hardware-software implications

- Cheng Xu, Xiaofeng Hou, Jiacheng Liu, Chao Li, Tianhao Huang, **Xiaozhi Zhu**, Mo Niu, Lingyu Sun, Peng Tang, Tongqiao Xu, others
- 2023 IEEE International Symposium on Workload Characterization (IISWC), pages 154–166.

AWARDS & ACHIEVEMENTS

Huatai Securities Technology Scholarship: Top 10%, SJTU. (2024)

ACM SIGMETRIC SRC Gold Medal: First Place, ACM. (2023)

Huawei Scholarship: Top 10%, Huawei. (2023)

Pan Wenyan Scholarship: Top 10%, SJTU. (2022)

SJTU Merit Student: SJTU. (2022)

Undergraduate Scholarship Class B: SJTU. (2022 – 2024)

Zhiyuan Honor Scholarship: SJTU. (2021 – 2024)