Yimin Zhao

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Education

Shanghai Jiao Tong University (SJTU) Shanghai, PRC
Department of Computer Science and Engineering
Ph.D. Candidate, Computer Science and Technology 2022 - Present
Advisor: Prof. Linghe Kong

Shanghai Jiao Tong University Shanghai, PRC
Department of Computer Science and Engineering
B.E. (**Hons.**), Computer Science and Technology (Zhi-Yuan Engineering Honors Program) 2018 - 2022
Overall GPA: 3.82/4.3 (89.2/100) - Rank: 34/156 (Top 22%)

Publication (First-Author)

MobiCom 2025

B2LoRa: Boosting LoRa Transmission for Satellite-IoT Systems with Blind Digital Beamforming.
Yimin Zhao, Weibo Wang, Xiong Wang, Linghe Kong, Jiadi Yu, Yifei Zhu, Shiyuan Li, Chong He, Guihai Chen
The 31st Annual International Conference On Mobile Computing And Networking
Acceptance Ratio: 17.08%

Publication (Other)

INFOCOM 2025

Distributed On-Orbit Sparse Coding for Efficient Space Situational Awareness Image Transmission.
Yutong Liu, Haiming Jin, Wangyinjie Yao, Yunxiang Chen, Yimin Zhao, Linghe Kong, Rui Li, Xiao-Yang Liu
IEEE International Conference on Computer Communications, 2025
Acceptance Ratio: 18.66%

Internship

Microsoft Research, Networking Infrastructure Group (former NRG), Beijing, PRC 09/2021 - 06/2022

- **Award of Excellence** of the Star of Tomorrow Internship Program (Top 10% among all interns)
- Developed a power modeling framework for IB switches and GPUs as a primary contributor, adopted by Microsoft's Azure cloud services.

TikTok (ByteDance), Trust & Privacy Group, Shanghai, PRC 05/2021 - 08/2021

- Designed and implemented the server-side system for one of TikTok's data-sharing tracking systems as a primary contributor.

Technical Experience

- 20k+ LoC. Experience: Python, C++/C
- 5k+ LoC. Experience: Golang, Verilog
- 2k+ LoC. Experience: MatLab, Dart, JavaScript
- Other: CUDA, MySQL, *nix, Git, LaTeX

Awards and Honors

Outstanding Teaching Assistant Award (SJTU, Top 5% among all TAs) 2024
Zhi-Yuan Honor Scholarship (SJTU, Top 5% in engineering) 2021, 2020, 2019, 2018
Zhi-Yuan Leadership Scholarship (SJTU, 18 slots university-wide) 2020, 2019
B-Level Scholarship (SJTU, Top 10% in the department) 2019
HUAWEI Scholarship (SJTU, 2/156 in the department) 2019

Teaching Experience

Shanghai Jiao Tong University Shanghai, PRC
Department of Computer Science and Engineering
Teaching Assistant:

- CS2306 Computer System Architecture (Laboratory Course) Spring 2024

- CS3311 Computer Networks — Fall 2023
- CS2305 Computer System Architecture (Theoretical Course) — Spring 2023

STUDENT ACTIVITIES

Shanghai Jiao Tong University — Shanghai, PRC
President of the Student Union, School of Electronic Information and Electrical Engineering — 2020 - 2021

VOLUNTEER SERVICE

Shanghai International Marathon, Shanghai, PRC — 11/2020
Shanghai International Marathon, Shanghai, PRC — 11/2019
Shanghai International Half Marathon, Shanghai, PRC — 04/2019

Last Updated: 12/2024