

Junyu XUE

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EDUCATION	Southern University of Science and Technology , Shenzhen, China <i>Doctor of Engineering</i> , Electronic and Information Engineering, Sept. 2029 (Expected)
	China University of Petroleum (East China) , Tsingtao, China <i>Bachelor of Engineering with Honors</i> , Internet of Things Engineering, Jun. 2024
PUBLICATIONS	Conference Paper: Prompting Large Language Models for Training-Free Non-Intrusive Load Monitoring Junyu Xue , Xudong Wang, Xiaoling He, Shicheng Liu, Yi Wang, Guoming Tang arXiv:2505.06330, 2025
	Towards Real-world Deployment of NILM Systems: Challenges and Practices Junyu Xue , Yu Zhang, Xudong Wang, Yi Wang, Guoming Tang IEEE International Conference on Sustainable Computing and Communications (SustainCom), 2024, Best Paper Award
	Fast-DecoupledNet: An Improved Multi-branch Edge Enhanced Semantic Segmentation Network Junyu Xue , Zhiyuan Zhang International Conference on Artificial Intelligence Technologies and Applications, 2023
	Journal Paper: A Review of Artificial Intelligence in Marine Science Song Tao, Cong Pang, Boyang Hou, Guangxu Xu, Junyu Xue , Handan Sun, Fan Meng Frontiers in Earth Science, 2023
RESEARCH EXPERIENCE	Research Assistant Feb. 2025 - Present SusCom Lab, The Hong Kong University of Science and Technology (Guangzhou) Advisor: Prof. Guoming Tang Topic: LLM Agents for Building Energy Management & Networked System for LLM Serving
	Team Member Sept. 2024 - Present TSN Lab, Southern University of Science and Technology Supervisor: Prof. Yi Wang Topic: Data Center Network, RDMA, Networked System For LLMs
	Research Intern May. 2024 Zendure Technology Co., Ltd, R&D Center Topic: Non-intrusive Load Monitoring System Development.
	Team Member Feb. 2022 - Jun. 2024 AITA Lab, China University of Petroleum (East China) Advisor: Prof. Tao Song Topic: AI For Science (Meteorology)
HONORS & AWARDS	Outstanding Student Cadre, Southern University of Science and Technology May. 2025

	Best Paper Award, IEEE SustainCom 2024	Oct. 2024
	Outstanding Graduate of Shandong Province, China	Jan. 2024
	Xiaomi Top Grade Scholarship (Only 4 undergraduate students, 20000RMB)	Nov. 2023
	Second Prize, China Collegiate Computing Contest-Network Technology Challenge	Sep. 2023
	Third Prize, China Software Cup, College Student Software Design Competition	Aug. 2023
	Tsingtao City Outstanding University Student (Top 1000)	May. 2023
	First Prize in Shandong Province, China Undergraduate Mathematical Contest in Modeling	Nov. 2022
	First Prize in the Eastern Division, CCF Big Data & Computing Intelligence Contest	Nov. 2022
SKILLS	Languages: English (Passed CET-4&6), Mandarin (Native). Programming: Python, C, C++, Java, SQL, \LaTeX . Frameworks & Softwares: Pytorch, Matlab, Docker, Office.	
RESERACH INTERESTS	Data Center Network, Machine Learning System, Computing Power Network, Applied AI (AI4Sustainability).	