

# Rixin Liu

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CONTACT INFORMATION	South China University of Technology Guangzhou Higher Education Mega Centre Panyu District, Guangzhou, 510006	Phone: +86 19956289958 rixin.liu.coder@gmail.com <a href="https://bugeater.space/">https://bugeater.space/</a>
RESEARCH INTERESTS	I am excited about network system, with a particular focus on <b>RDMA network protocol</b> and the safety&performance brought by <b>programmable switches, DPU</b> .	
EDUCATION	<b>South China University of Technology</b> - Project 985 B.S. Computer Science and Technology (11/164)	Sep. 2021 – Jun. 2025 GPA: 3.85/4.00
PUBLICATIONS	Themis: Efficiently Mitigating Congestion-Induced Fairness Disparities in Long-Haul RDMA Networks <b>Rixin Liu</b> , Menghao Zhang, Zihan Niu, Zili Meng, Xiaohe Hu <b>SOSP' 24 Poster</b>	
PROFESSIONAL EXPERIENCE	<b>Beihang University</b> Jun. 2024 - Now Research Internship (Mentor: Menghao Zhang) <ul style="list-style-type: none"><li>● <b>Investigated</b> relevant papers which provide RNIC performance isolation support in multi-tenant RDMA virtualization schemes to collaborate with Huawei.</li><li>● <b>Developed</b> solution <i>THEMIS</i> to efficiently deal with Congestion-Induced Fairness Disparities in Long-Haul Networks proposed by Prof. Zhang. <i>THEMIS</i> is a <b>fairness maintenance patch</b> with minimum modifications to existing DCs, via preemptive notification points and reaction points at external switch.</li></ul> <b>MIT.6.828 Coursework</b> Jan. 2024 – Mar. 2024 <ul style="list-style-type: none"><li>● <b>Strengthened</b> my passion for computer systems through the personal interest-driven pursuit of this course.</li><li>● <b>Gained</b> a profound understanding of microkernels from the high-quality course resources provided through open source.</li></ul>	
AWARDS& HONOR	<b>Huawei Scholarship (1/91)</b> Awarding Institution: Huawei Technologies Co., Ltd.	Date: Dec. 2023
	<b>Excellence Award</b> National Undergraduate Student Compiler System Design Contest	Date: Aug. 2023
	<b>Second-Class Scholarship (7/87)</b> Awarding Institution: South China University of Technology	Date: Dec. 2022
	<b>National Second Prize</b> National Undergraduate Mathematical Modeling Contest	Date: May. 2022