https://tigerrr07.g	ithub.io/tiger-website	Hu Chen huchen@mail.sdu.edu.cn	+(86) 156-6583-8670
EDUCATION	Shandong University Master of Science in Da GPA: 88.46/100	r, Jinan, P.R.China ta Science	September 2021 - Present Expected: June 2024
	Shandong University Bachelor of Science in M GPA: 88.39/100	, Jinan, P.R.China <i>Aathematics and Applied Mathe</i>	September 2017 - June 2021 ematicse
RESEARCH EXPERIENCE	SDU Data Science In Worked on <i>Drug Target</i> • Implemented and	nstitude Interaction evaluated three different mode	March 2023 - June 2023 els for drug-target interaction
	(GNNs), convolutional neural networks (CNNs), and Transformers.		
	• Fine-tuned molecular pre-trained models, on the same task but found no improvement.		
	• Explored the effects of different attention mechanisms on task performance and found that bilinear attention outperformed linear concatenation and cross attention for combining two-modality data.		
INDUSTRY EXPERIENCE	Zhejiang Lab	tion Contor	August 2022 - January 2023
	Contributed to the machine learning c on the quantum cl	e OGB Large-Scale Challenge 20 ompetition, to predict HOMO-L hemistry dataset PCQM4Mv2 w	022 (OGB-LSC 2022), a graph UMO gap property of molecules vith three colleagues.
	- Designed and that incorpor mation into r	l implemented a hybrid graph ated both 2D topological structu nessage passing.	neural network (GNN) model are and 3D conformation infor-
	 Achieved efficiency tributed Data only 24 hours 	cient training on about 3 million a Parallel (DDP) and ranked 11t s of training time.	molecules using PyTorch Dish on the final leaderboard with
	• Built a biological k gene ontology, dis extraction method	mowledge graph that contained e eases and their relationships u ls.	entities such as drugs, proteins, sing various data sources and
PROJECTS EXPERIENCE	KuiperInfer as a contrCollaborated with inference framework	cibutor a team of developers to create rk using $C++17$ from scratch.	March 2023 - Present e a custom-built deep learning
	• Implemented varie struction and exec	bus features such as model load aution.	ding, computation graph con-
	HPC for graphs withDesigned efficient constrained conditional conditional	Dr. Guanghui Wang graph algorithms to find and ions such as cycle length and ec	July 2021 - October 2021 count cycles in graphs under lge weight.
	• Used breadth-first that make up the C++.	search (BFS) and queue techn cycle and optimized them wit	iques to store potential paths h OpenMP parallel library in
	• Achieved expected erative company.	l performance and completed th	he acceptance test of the coop-

TEACHING EXPERIENCE	SDU Linear Algebra, Teaching Assistant SDU Calculus II, Teaching Assistant	Spring 2023 Fall 2021
HONORS REWARDS	2022 SDU First Prize of Graduate Scholarship 2021 Third Prize of "Huawei Cup" The 18th China Post-Gradu test in Modeling 2021 Excellent Graduate of Shandong Province 2020,2019,2018 SDU Third Prize of Undergraduate Scholarship 2019,2018 Third Prize of National College Student Mathematic	ate Mathematical Con- o cs Competition
SKILLS	Programming : Python, C++, CUDA English : IELTS 6.5	