Xinyu Huang (黄新宇)

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GitHub: github.com/	kinyu1205 HomePage: 2	xinyu1205.github.io	Publications : Scholar	
Research Interests	Computer Vision Multi-Modal	ity Visual Recognition	on	
Research interests	computer vision, main moun	ity, visual necognitic		
Education	Fudan University		Shanghai, China	
	Ph.D. in Computer Science		2020 – Present	
	Mentors: Prof. Rui Feng and Pr	rof. Yuejie Zhang		
	China University of Geoscie	ences	Wuhan, China	
	Bachelor of Computer Science	and Technology	2016 - 2020	
	Mentors: Prof. Maocai Wang. G	GPA: Rank 2/69, Postg	graduate Recommendation	
Representative	The Recognize Anything Ma	odel (RAM) Family	(2.4K+ Stars)	
Works	A series of open-source and powerful image recognition models			
WOIKS	A series of open-source and powerful image recognition models.			
	• Recognize Anything Plus	Model (RAM++)		
	Open-Set Image Tagging with Multi-Grained Text Supervision Xinyu Huang , Yi-Jie Huang, Youcai Zhang, Weiwei Tian, Rui Feng, Yuejie Zhang, Yanchun Xie, Yaqian Li, Lei Zhang. <i>ECCV 2024 under review.</i>			
	Recognize Anything Mode	el (RAM)		
	Recognize Anything: A Strong Image Tagging Model			
	Youcai Zhang*, Xinyu Huang	g*, Jinyu Ma*, Zhaoy	yang Li*, Zhaochuan Luo,	
	Yanchun Xie, Yuzhuo Qin, Ton	g Luo, Yaqian Li, Shil	ong Liu, Yandong Guo, Lei	
	Zhang. CVPR 2024, Multim	odal Foundation M	lodels Workshop. (*equal	
	contribution)			
	Tag2Text Vision-Language	e Model		
	Tag2Text: Guiding Vision-L	anguage Model via	Image Tagging	
	Xinvu Huang, Youcai Zhang,	Iinvu Ma. Weiwei Tia	n. Rui Feng. Yueije Zhang.	
	Yaqian Li Yandong Guo Lei Z	hang ICIR 2024	in, rui reng, ruejie Zhung,	
		iung. 1021, 2021,		
Other Works	• IDEA: Increasing Text Diversity via Online Multi-Label Recognition			
	for Vision-Language Pre-training			
	Xinyu Huang, Youcai Zhang	, Ying Cheng, Weiwe	ei Tian, Ruiwei Zhao, Rui	
	Feng, Yuejie Zhang, Yaqian Li,	Yandong Guo, Xiaob	o Zhang. <i>ACM MM 2022</i> .	
	• Simple and Robust Loss De	sign for Multi-Labe	el Learning with Missing	
	Labels			

	Yandong Guo. arXiv 2022. ("equal contribution)
	• Principle-Guided Multimodal Reasoning with Minimal Human
	Demonstrations
	Changkai Ji, Xinyu Huang, Yuejie Zhang, Ying Cheng, Rui Feng, Xiaobo
	Zhang. ACM MM 2024, under review.
	• MOSMOS: Multi-Organ Segmentation Facilitated by Medical Report
	Supervision
	Weiwei Tian, Xinyu Huang , Junlin Hou, Caiyue Ren, Longquan Jiang, Rui- Wei Zhao, Gang Jin, Rui Feng, Yuejie Zhang, Daoying Geng. <i>Computers in</i> <i>Biology and Medicine, under review.</i>
	Predicting Occult Lymph Node Metastasis in Solid-Predominantly
	Invasive Lung Adenocarcinoma across Multiple Centers Using
	Radiomics-Deen Learning Fusion Model
	Weiwei Tian, Qinqin Yan, Xinyu Huang , Rui Feng, Fei Shan, Daoying Geng, Zhiyong Zhang, <i>Cancer Imaging</i>
	Grounded SAM: Assembling Open-World Models for Diverse Visual
	Tasks
	Tianhe Ren, Shilong Liu, Ailing Zeng, Jing Lin, Kunchang Li, He Cao, Jiayu Chen, Xinyu Huang , Yukang Chen, Feng Yan, Zhaoyang Zeng, Hao Zhang,
	Feng Li, Jie Yang, Hongyang Li, Qing Jiang, Lei Zhang. ICCV 2023 Demo.
	Description of ODDO Description of the distribution of the distrib
work Experience	Mentern Veneri Zhang Vendeng Cue Manch 2021 Breent
	March. 2021 – Present
	RAM).
	Led the research on image tagging to guide vision-language models (Tag2Text, IDEA)
	in the second se
	Led the research on image tagging learning with missing labels (Hill, SPLC).
	Led the research on image tagging learning with missing labels (Hill, SPLC). Visiting Intern, with International Digital Economy Academy (IDEA).
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Projects	Led the research on image tagging learning with missing labels (Hill, SPLC). Visiting Intern, with International Digital Economy Academy (IDEA). Mentor: Prof. Lei Zhang November. 2022 – November. 2023 Major contributor of foundation visual understanding model (Grounded-Segment-Anything). Recognize-Anything, Leader & Owner, GitHub Trending with 2.4K+ stars.
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