Kaihua Tang

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EDUCATION	Nanyang Technological University, Singapore		
	Ph.D in Computer ScienceAdviser: Asst. Prof. Hanwang Zhang	Jul 2018 – Dec 2021	
	Shanghai Jiao Tong University, China, Waseda University, Japan		
	 Dual M.S. Program in Computer Science Adviser: Prof. Lizhuang Ma & Prof. Sei-ichiro Kamata 	Sep 2015 – Mar 2018	
	Shanghai Jiao Tong University, Shanghai, China		
	 B.S. in Computer Science (IEEE Pilot Class) Adviser: Prof. Kai Yu 	Sep 2011 – Jul 2015	
	 Second Major in Chinese Painting Adviser: Qi Wang 	Sep 2012 – Jul 2014	
WORK EXPERIENCE	Huawei Singapore Research Center, Singapore		
	 Senior Algorithm Engineer 	Mar 2023 – Now	
	Nanyang Technological University, Singapore		
	 Postdoctoral Research Scientist 	Jan 2022 – Feb 2023	
PUBLICATIONS	Accumulated 2000+ citations in 4 years (https://scholar.google.com/citat	tions?user=WuO1sSkAAAAJ)	
	 Beier Zhu, <u>Kaihua Tang</u>, Qianru Sun, Hanwang Zhang, "Generalized logit adjustment: Calibrating fine-tuned models by removing label bias in foundation models," in NeurIPS, Dec 2023. 		
	 Kaihua Tang, Mingyuan Tao, Jiaxin Qi, Zhenguang Liu, Hanwang Zhang, "Invariant Feature Learning for Generalized Long-Tailed Classification," in ECCV, Oct 2022. 		
	 Xuanyu Yi, Kaihua Tang, Xian-Sheng Hua, Joo-Hwee Lim, Hanwang Zhang, "Identifying Hard Noise in Long-Tailed Sample Distribution," Oral Presentation, in ECCV, Oct 2022. 		
	 Jiaxin Qi, Kaihua Tang, Qianru Sun, Xian-Sheng Hua, Hanwang Zhang, "Class Is Invariant to Context and Vice Versa: On Learning Invariance for Out-Of-Distribution Generalization," in ECCV, Oct 2022. 		
	 Kaihua Tang, Mingyuan Tao, Hanwang Zhang, "Adversarial Visual Robustness by Causal Intervention," arXiv preprint, 2021. 		
	 Xinting Hu, Kaihua Tang, Chunyan Miao, Xian-Sheng Hua, Hanwang Zhang, "Distilling Causal Effect of Data in Class-Incremental Learning," in <i>CVPR</i>, Jun 2021. 		
	 Yulei Niu, Kaihua Tang, Hanwang Zhang, Zhiwu Lu, Xian-Sheng Hua, Ji-Rong Wen, "Counterfactual VQA: A Cause-Effect Look at Language Bias," in <i>CVPR</i>, Jun 2021. 		
	 Kaihua Tang, Jianqiang Huang, Hanwang Zhang, "Long-Tailed Classification by Keeping the Good and Removing the Bad Momentum Causal Effect," in <i>NeurIPS</i>, Dec 2020. 		
	 Mitra Tajrobehkar, Kaihua Tang, Hanwang Zhang, Joo-Hwee Lim, "Align R-CNN: A Pairwise Head Network for Visual Relationship Detection," in <i>TMM</i>, 2021. 		
	 Kaihua Tang, Yulei Niu, Jianqiang Huang, Jiaxin Shi, Hanwang Z Generation from Biased Training," Oral Presentation, in <i>CVPR</i>, Jun 2 	hang, "Unbiased Scene Graph 020.	
	• Xinting Hu, Yi Jiang, Kaihua Tang, Hanwang Zhang, Chunyan Miao, Jingyuan Chen, "Learning to Segment the Tail," in <i>CVPR</i> , Jun 2020.		
	 Kaihua Tang, Hanwang Zhang, Baoyuan Wu, Wenhan Luo, Wei Liu, "Learning to Compose Dynamic Tree Structures for Visual Contexts," Oral & Best Paper Finallists (45/5160), in <i>CVPR</i>, Jun 2019. 		
	• Xu Yang, Kaihua Tang, Hanwang Zhang, Jianfei Cai, "Auto-Encoding Scene Graphs for Image Captioning," Oral Presentation , in <i>CVPR</i> , Jun 2019.		
	 Kaihua Tang, Sei-ichiro Kamata, Xiaonan Hou, Shouhong Ding, Lizhua Coding for Cross-Age Face Verification and Retrieval," in ACCV, Nov 	ng Ma, "Eigen-Aging Reference 2016.	

PROJECTS	Accumulated more than 2000+ Github Stars in 4 years (https://github.com/KaihuaTang)			
	Scene-Graph-Benchmark.pytorch (750+ Stars)			
	 Github Link: https://github.com/KaihuaTang/Scene-Graph-Benchmark.pytorch 			
	Long-Tailed-Recognition.pytorch (450+ Stars)			
	 Github Link: https://github.com/KaihuaTang/Long-Tailed-Recognition.pytorch 			
	VQA2.0-Recent-Approachs-2018.pytorch (250+ Stars)			
	 Github Link: https://github.com/KaihuaTang/VQA2.0-Recent-Approachs-2018.pyt 	orch 2019		
ACADEMIC	Organizing Committees			
SERVICES	 2st Causality in Vision Workshop at ECCV 2022 1st Causality in Vision Workshop at CVPR 2021 			
	Talks and Blogs			
	 Invited talk to TechBeat, Hosted by TechBeat AI Community, Online Invited talk to Kuaishou, Recommendation System Group, Beijing Invited talk to The Lab for Media Search (LMS), NUS, Singapore Invited talk to VALSE Webinar (volume 20-29), Hosted by Prof.Meng Yang, Onlin Invited talk to Causal AI Reading Group, Jointly Hosted by Swarma Club and BAA Invited talk to Jishi Community, Hosted by Jishi Team, BiliBili Invited talk to Alibaba Group, Hosted by Tianchi Team from Alibaba Cloud, Hangz Invited talk to Jiantao Jiao's Lab, Hosted by Ph.D. Banghua Zhou, UC Berkeley Blogs : Sharing Research Experiences at Zhihu, https://www.zhihu.com/people/kai 	Oct 2022 Jul 2021 Jun 2021 e Dec 2020 AI Hub Dec 2020 Dec 2020 zhou Nov 2020 Oct 2020 huatang		
	Paper Review			
	 CVPR, ECCV, ICCV, WACV, NeurIPS, ICLR, ICML(Outstanding Reviewer 2022) 	, AAAI, TPAMI		
AWARDS &	 Outstanding Reviewer (Top 10%) for ICML 2022 	2022		
SCHOLARSHIPS	 2021 Alibaba Outstanding Interns in Academic Cooperation, Alibaba Group 	2021		
	2021 & 2019 PREMIA Best Student Paper Award, 2nd Place, PREMIA	2021, 2019		
	 CVPR 2019 Best Paper Finalists, CVPR Committee 	2019		
	 Honorable Judge Award, The 5th Cloud Programming World Cup, FORUM8 Toky 	o 2017		
	 Waseda Partial Tuition-Waiver Scholarship for Privately Financed International Students 2015 GPA rank Top 10 out of 300. 			
	 IPS special scholarship for international students, Waseda University 	2014		
	 Monbukagakusho Honors Scholarship for Privately Financed International Students 	s 2014		
	 Emerging Talent Award, Cloud Programming World Cup (FORUM8), Tokyo 	2013		
INTERNSHIP	Alibaba, DAMO Academy, Research Intern, Hangzhou, China			
	 Project: Robust Machine Learning (2021 Alibaba Outstanding Interns) Tencent, AI Lab, Research Intern, ShenZhen, China 	Jul 2019- Nov 2021		
	 Project: Scene Graph Generation 	Mar 2018- Jun 2018		
	Mihoyo, Mobile Game Development Intern, Shanghai, China			
	 Project: Mobile Game Development Using Unity 3D. TOSHIBA Research & Development Intern, TOSHIBA, Tokyo, Japan 	Apr 2017- Dec 2017		
	Project: Image Inpainting	Aug 2015- Sep 2015		
SKILLS	Recently Used: Python, Pytorch; Have Experience Before: MATLAB, C#, Java, C++,			
LANGUAGES	• Chinese: Native language, English: Fluent (TOEFL 103, GRE 328), Japanese: Basic (N2).			

[CV compiled on 2024-04-08]