Kaihua Tang

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Jul 2018 - Now

2019

2020

2019

2017

• Ph.D Candidate in School of Computer Science and Engineering

Nanyang Technological University, Singapore

EDUCATION

AWARDS & SCHOLARSHIPS

	Adviser: Asst Prof. Hanwang Zhang	Jul 2010 – NOW	
	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 ScienceAdviser: Prof. Kai Yu	Sep 2011 – Jul 2015	
	Second Major in Chinese PaintingAdviser: Qi Wang	Sep 2012 – Jul 2014	
PUBLICATIONS	(CITATION 340+ BY APRIL 2021)		
	• K. Tang, et al., "Adversarial Visual Robustness by Causal Intervention," under review, 2021.		
	• X.Hu, <u>K. Tang</u> , et al., "Distilling Causal Effect of Data in Class-Incremental Learning," in <i>CVPR</i> , Jun 2021.		
	■ Y.Niu, K. Tang, et al., "Counterfactual VQA: A Cause-Effect Look at Language Bias," in <i>CVPR</i> , Jun 2021.		
	• K. Tang, et al., "Long-Tailed Classification by Keeping the Good and Removing the Bad Momentum Causal Effect," in <i>NeurIPS</i> , Dec 2020.		
	■ M.Tajrobehkar, K. Tang, et al., "Align R-CNN: A Pairwise Head Network for Visual Relationship Detection," in <i>TMM</i> , 2021.		
	• K. Tang, et al., "Unbiased Scene Graph Generation from Biased Training," Oral , in <i>CVPR</i> , Jun 2020.		
	X.Hu, Y.Jiang, K. Tang, et al., "Learning to Segment the Tail," in <i>CVPR</i> , Jun 2020.		
	• K. Tang, et al., "Learning to Compose Dynamic Tree Structures for Visual Contexts," Oral & Finallists (top 45) , in <i>CVPR</i> , Jun 2019.		
	■ X. Yang, K. Tang, et al., "Auto-Encoding Scene Graphs for Image Captioning," Oral , in <i>CVPR</i> , Jun 2019.		
	• K. Tang, et al., "Eigen-Aging Reference Coding for Cross-Age Face Verification and Retrieval," in <i>ACCV</i> , Nov 2016.		
PROJECTS	(GITHUB STAR 1300+ BY APRIL 2021) Long-Tailed-Recognition.pytorch (star 340+)		
	 Description: a strong single-stage baseline for Long-Tailed Classification Segmentation. It is also a PyTorch implementation of De-confounded TDE Github Link: https://github.com/KaihuaTang/Long-Tailed-Recognition.pyt 	(NeurIPS 2020).	
	Scene-Graph-Benchmark.pytorch (star 470+)		
	 Description: an open-source scene graph generation (SGG) codebase, which integrates all the exsiting metrics and several well-known SGG models. 		
	• Github Link: https://github.com/KaihuaTang/Scene-Graph-Benchmark.pyt	orch 2020	
	VQA2.0-Recent-Approachs-2018.pytorch (star 230+) ■ Description: an open-source visual question answering (VQA) project built on top of the		
	 Description: an open-source visual question answering (VQA) pro 	oject built on top of the	

Honorable Judge Award, The 5th Cloud Programming World Cup, FORUM8 Tokyo

• Alibaba Outstanding Interns in Academic Cooperation (Top 12), Alibaba Group

• PREMIA Best Student Paper, Silver Award (2nd Place), PREMIA

bottom-up-attention-vqa. It integrates several popular VQA papers published in 2018. • Github Link: https://github.com/KaihuaTang/VQA2.0-Recent-Approachs-2018.pytorch

	 Waseda Partial Tuition-Waiver Scholarship for Privately Financed International Stude GPA rank Top 10 out of 300. 		
	 IPS special scholarship for international students, Waseda University 	2014	
	 Monbukagakusho Honors Scholarship for Privately Financed International Stude 	ents 2014	
	■ Emerging Talent Award, Cloud Programming World Cup (FORUM8), Tokyo	2013	
EXPERIENCE	XPERIENCE Alibaba, DAMO Academy, Research Intern, Hangzhou, China		
	 Project: Robust Machine Learning Tencent, AI Lab, Research Intern, ShenZhen, China 	Jul 2019- Now	
	■ 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).		
VOLUNTEER	 YAPM Summer Volunteer Program, TECC Organization 	Jul 2014 – Aug 2014	
ACTIVITIES	 Volunteer of Spring Festival Railway Transport 	Feb 2013	
	 Volunteer of TORAY Cup Shanghai International Marathon 	Dec 2011	
INTERESTS	Anime, Comic and Games (ACG), Game Development, Outdoor Activities (Hiking, Camping, Mount Climbing, Roller Skating, etc)		
		CV compiled on 2021-04-08]	