

Gi-Cheon Kang

CONTACT INFORMATION	205, Building 942 Seoul National University 1, Gwanak-ro, Gwanak-gu, Seoul 08826, Republic of Korea	<i>email:</i> chonkang@snu.ac.kr <i>website:</i> gicheonkang.com
EDUCATION	Seoul National University , Seoul, Korea Ph.D. Student in Artificial Intelligence Advisor: Prof. Byoung-Tak Zhang	Sept. 2020 – Present
	Seoul National University , Seoul, Korea M.S. in Cognitive Science Advisor: Prof. Byoung-Tak Zhang Thesis: Deep Representation Learning for Visually-Grounded Dialogue	Mar. 2018 – Feb. 2020
	Ajou University , Suwon, Korea B.S. in Software and Computer Engineering	Mar. 2011 – Feb. 2018
INTERESTS	Machine Learning, Natural Language Processing, Computer Vision, Embodied AI	
RESEARCH EXPERIENCE	SNU-NAVER Hyperscale AI Center , Seoul, Korea Student Researcher <i>With Dr. Jin-Hwa Kim and Sungdong Kim</i> Studied a semi-supervised learning algorithm for visual dialog, called Generative Self-Training, which generates synthetic visual dialog data and trains a dialog agent on the data. Published at CVPR 2023.	Sept. 2021 – May 2022
	Seoul National University (SNU) , Seoul, Korea Research Assistant <i>With Prof. Byoung-Tak Zhang</i> I have studied “grounded language learning” which aims to connect language to non-linguistic experiences such as sensory perception and action.	Sept. 2020 – Present
	SK Telecom AI Center , Seoul, Korea Research Intern <i>With Dr. Jin-Hwa Kim and Dr. Hwaran Lee</i> Developed Sparse Graph Learning (SGL) algorithm that discovers inherently sparse semantic structures of the human conversation. Published at Findings of EMNLP 2021.	Jan. 2020 - March. 2020
HONORS & AWARDS	Daeha Scholarship	May 2022
	Ranked 3rd Place, Visual Dialog Challenge @ CVPR 2019	June 2019
	Software-Centered University Hackathon, Prize from Microsoft Korea	Sept. 2017
	Yeoju Honor Scholarship	May 2016
CONFERENCE PUBLICATIONS	[8] The Dialog Must Go On: Improving Visual Dialog via Generative Self-Training Gi-Cheon Kang, Sungdong Kim*, Jin-Hwa Kim*, Donghyun Kwak*, and Byoung-Tak Zhang <i>IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)</i> , 2023	
	[7] Reasoning Visual Dialog with Sparse Graph Learning and Knowledge Transfer Gi-Cheon Kang, Junseok Park, Hwaran Lee, Byoung-Tak Zhang*, and Jin-Hwa Kim* <i>Findings of Empirical Methods in Natural Language Processing (EMNLP Findings)</i> , 2021	

	[6] Attend What You Need: Motion-Appearance Synergistic Networks for Video Question Answering Ahjeong Seo, Gi-Cheon Kang, Joonhan Park, and Byoung-Tak Zhang <i>Annual Meeting of the Association for Computational Linguistics (ACL)</i> , 2021	
	[5] Label Propagation Adaptive Resonance Theory for Semi-Supervised Continuous Learning Taehyeong Kim, Injune Hwang, Gi-Cheon Kang, Won-Seok Choi, Hyunseo Kim, Byoung-Tak Zhang <i>IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)</i> , 2020	
	[4] Dual Attention Networks for Visual Reference Resolution in Visual Dialog Gi-Cheon Kang, Jaeseo Lim, and Byoung-Tak Zhang <i>Empirical Methods in Natural Language Processing (EMNLP)</i> , 2019	
WORKSHOP PAPERS	[3] Improving Robustness to Texture Bias via Shape-focused Augmentation Sangjun Lee, Inwoo Hwang, Gi-Cheon Kang, and Byoung-Tak Zhang <i>CVPR Workshop on Human-centered Intelligent Services: Safety and Trustworthy (CVPRW)</i> , 2022	
	[2] C³: Contrastive Learning for Cross-domain Correspondence in Few-shot Image Generation Hyukgi Lee, Gi-Cheon Kang, Chang-Hoon Jeong, Hanwool Sul, Junseok Park, and Byoung-Tak Zhang <i>NeurIPS Workshop on Controllable Generative Modeling in Language and Vision (NeurIPSW)</i> , 2021	
	[1] Contextualized Bilinear Attention Networks Gi-Cheon Kang, Seonil Son, and Byoung-Tak Zhang <i>ECCV Workshop on VizWiz Grand Challenge (ECCVW)</i> , 2018	
INVITED TALKS	<i>Reasoning Visual Dialog with Sparse Graph Learning and Knowledge Transfer</i> KSC 2021 - Top-tier Conference Paper Presentation Session Annual Conference on Human and Cognitive Language Technology	Dec. 2021 Oct. 2021
	<i>Dual Attention Networks for Visual Reference Resolution in Visual Dialog</i> ICCV 2019 - Video Turing Test Workshop (Spotlight) SK Telecom AI Center	Nov. 2019 Sept. 2019
PROFESSIONAL ACTIVITIES	Reviewer Annual Meeting of the Association for Computational Linguistics (ACL) Empirical Methods in Natural Language Processing (EMNLP) Neural Information Processing Systems Workshop on Meta-Learning (NeurIPSW) International Conference on Machine Learning Workshop on Pre-training (ICMLW)	2023 2022 2022 2022
EXTRA CURRICULAR ACTIVITIES	BI Lab Conference Deadline Site Administrator Military Service in Republic of Korea Army	2018 – Present 2012 – 2014