

Manjin Kim

POSITION	Ph.D Student Department of Convergence IT Engineering Pohang University of Science and Technology (POSTECH)
CONTACT INFORMATION	Posvile, 6 - 401 83, Jigok-ro, Nam-gu Pohang, Gyeongbuk, 37666 Republic of Korea Phone: +82 10 7287 3738 e-mail: mandos@postech.ac.kr
CITIZENSHIP	The Republic of Korea
BIRTHDAY	May 12th, 1995.
RESEARCH INTERESTS	Computer vision and deep learning, especially, video action recognition and multi-modal representation learning
EDUCATION	Pohang University of Science and Technology (POSTECH) , Pohang, Korea <i>Ph.D student (Unified master's and doctor's course)</i> Sep 2019 – now <ul style="list-style-type: none">• Advisor: Prof. Minsu Cho• Anticipated graduation dates: Aug 2024 Pohang University of Science and Technology (POSTECH) , Pohang, Korea <i>B.S. Degree</i> Mar 2013 – Aug 2019 <ul style="list-style-type: none">• Major: Department of Creative IT Engineering• Advisor: Prof. Sangwoo Kim
INTERNATIONAL PUBLICATIONS	Dayoung Kong, Junseok Lee, Manjin Kim , and Minsu Cho. “Future transformer for long-term action anticipation,” <i>CVPR</i> . 2022. Manjin Kim* , Heeseung Kwon*, Chunyu Wang, Suha Kwak, and Minsu Cho. “Relational self-attention: what’s missing in attention for video understanding.” <i>NeurIPS</i> . 2021. * equal contribution Heeseung Kwon*, Manjin Kim* , Suha Kwak, and Minsu Cho. “Learning self-similarity in space and time as a generalized motion for action recognition.” <i>ICCV</i> . 2021. * equal contribution Heeseung Kwon, Manjin Kim , Suha Kwak, and Minsu Cho. “MotionSqueeze: neural motion feature learning for video understanding.” <i>ECCV</i> . 2020.
INDUSTRY EXPERIENCE	Microsoft Research Asia (MSRA) , remote <i>Research Intern</i> Dec 2020 – June 2021 <ul style="list-style-type: none">• Developed a dynamic neural feature transform method, called a relational self-attention.• Mentor: Chunyu Wang LG CNS , Seoul, Korea <i>Research Intern</i> Jun 2018 – Aug 2018 <ul style="list-style-type: none">• Developed video data augmentation program using CycleGAN.

JOINED PROJECTS	Motion-centric video representation learning (with Google Research)	
	<ul style="list-style-type: none"> Developed an efficient video transformer that learns motion for action recognition. 	
	Online action detection in streamed videos (with POSCO ICT Company)	
	<ul style="list-style-type: none"> Implemented real-time anomaly action recognition system for video surveillance. 	
	Sentimental analysis on Hyundai vehicle models (with Hyundai Motor Company)	
	<ul style="list-style-type: none"> Analyzed sentiment of Hyundai vehicle models from comments on web communities. 	
CERTIFICATES	Linux Master 1 st class, Korea Association for ICT promotion,	May 2018
	Industrial Engineer Information Processing, Human Resources Development Service of Korea,	Dec 2017
MILITARY OBLIGATION	The 1st Fighter Wings, Information & communication Battalion , Gwangju, Korea <i>Staff Sergeant, the information security specialist</i> Apr 2016 – Apr 2018 <ul style="list-style-type: none"> Carried out the obligatory duty of national defense. 	
PROGRAMMING LANGUAGES	Python, Java, C, C++, Pytorch, Tensorflow	
LANGUAGE SKILLS	Korean(native), English(advanced)	
REFEREES	Minsu Cho , Professor Department of Computer Science and Engineering Pohang University of Science and Technology (POSTECH), Pohang, Korea e-mail: mscho@postech.ac.kr	