

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 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	Heeseung Kwon, Manjin Kim , Suha Kwak, and Minsu Cho. “MotionSqueeze: neural motion feature learning for video understanding.” <i>ECCV</i> . 2020. 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 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 Dayoung Kong, Junseok Lee, Manjin Kim , and Minsu Cho. “Future Transformer for Long-term Action Anticipation,” <i>under review</i> . 2022.
INDUSTRY EXPERIENCE	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. Microsoft Research Asia (MSRA) , Beijing, China <i>Research Intern</i> Dec 2020 – June 2021 <ul style="list-style-type: none">• Developed a dynamic neural feature transform method, called Relational Self-Attention.

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