

- Developed 3D CNN for temporal sensor data.
- Developed RNN for room occupancy and activity prediction.

RESEARCH & WORK EXPERIENCE	<p>Researcher, Data Mining Lab. Seoul National University</p> <ul style="list-style-type: none"> • Advisor: Prof. U Kang • Proposed a novel algorithm for random walk with restart on signed networks (ICDM'16, KAIS). • Proposed a dynamic RWR algorithm on dynamic graphs (WWW'18). • Propose an extended RWR algorithm and a supervised learning algorithm for link prediction (in progress). • Propose a labeled RWR algorithm on edge-labeled graphs (in progress). • Design a local clustering algorithm on signed networks (in progress). • Participate in developing algorithms for activity recognition and prediction for HVAC control (in progress). <p>Undergraduate Researcher, Data Science Lab. Seoul National University</p> <ul style="list-style-type: none"> • Advisor: Prof. Sungroh Yoon • Worked on comparisons between deep learning frameworks (Caffe, Cuda-convnet, and Theano) using Convolutional Neural Networks. <p>Research Intern, Creative Innovation Center LG Electronics</p> <ul style="list-style-type: none"> • Assisted in developing the prototype of advanced smartphones. • Tested application of a flexible display to smartphones. <p>Sergeant (E-5), 35th Air Defense Artillery Brigade Served as a Korean Augmentation To the United States Army (KATUSA)</p> <ul style="list-style-type: none"> • Information Technology Specialist (U.S. MOS 25B & R.O.K. MOS 175101) • S-6, 35th Air Defense Artillery Brigade, 8th Army, U.S. Forces. • Administered computers and network equipment including servers. 	<p>JAN. 2016 - PRESENT</p> <p>JAN. 2015 - JUNE 2015</p> <p>JUNE 2014 - AUG. 2014</p> <p>OCT. 2011 - JULY 2013</p>
AWARDS & HONORS	<p>National Scholarship for Science and Engineering, Korea Student Aid Foundation 2010</p> <p>Merit-based Scholarship, SNU 2013, 2014, 2015</p>	
TECHNICAL SKILLS	<p>Programming Languages</p> <ul style="list-style-type: none"> • C++, MATLAB (Advanced) / Java, Ocaml (Experienced) / Python, TensorFlow, HTML, PHP (Intermediate) 	
GRADUATE COURSEWORK	<p>Pattern Recognition and Machine Learning (Audit) @ SNU</p> <p>Optimization Theory and Applications @ SNU</p>	<p>SPRING 2017</p> <p>FALL 2016</p>
ONLINE COURSEWORK	<p>Mining Massive Datasets @ Stanford Online</p> <p>Machine Learning (Stanford University) @ Coursera</p>	<p>JUNE 2017</p> <p>MAY 2016</p>
REFERENCES		

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