

Taehoon Kim

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EDUCATION	Ulsan National Institute of Science and Technology , Ulsan, South Korea B.S., in Computer Science & Engineering, Electrical Engineering	Mar 2011 – Aug 2015
EXPERIENCE	Lawrence Berkeley National Laboratory , California, USA Undergraduate Research Student <ul style="list-style-type: none">Identify energy use patterns in smart meter data, and relate these patterns to actions of householdsMake baseline models for each household to cluster the households into different groups Moloco , California, USA <i>Student Web Developer</i> <ul style="list-style-type: none">Implement a maximum-likelihood estimation model of the number of users who will download an applicationBuild a web visualization of models from a large-scale database with query optimization and a cache system Probabilistic Artificial Intelligence Lab , UNIST Undergraduate Research Student <ul style="list-style-type: none">Improved Bayesian Online Change Point Detection by Reading TextsFood image recognition by combining deep convolutional features and shallow encoded features Naver Labs , Seoul, South Korea <i>Software Development Intern</i> <ul style="list-style-type: none">Build a cloud comment hosting service using Django and Angular.js	Jul 2015 – Aug 2015 Oct 2014 – Jan 2015 Sep 2014 – Sep 2015 Jul 2014 – Aug 2014
AWARDS	Best Paper Award, DataCom 2015 Best Paper Award for Extracting Baseline Electricity Usage Using Gradient Tree Boosting Finalist, Student Cluster Challenge One of 11 international teams (including MIT, Tsinghua Univ) selected through the preliminary contest 3rd place, Korea Whitehat Contest 2013 Awarded by the Minister of National Defense. Received an award of \$8,000 Finalist, Asia student Supercomputing Challenge 14 One of 16 teams among 82 international teams selected through the preliminary contest Finalist, Asia student Supercomputing Challenge 13 One of 10 teams among 43 international teams selected through the preliminary contest 1st place, Holyshield Hacking Contest 2013 Awarded by the President of Catholic University of Korea. Received an award of \$1,000	Dec 2015 Jun 2014 Sep 2013 Apr 2014 Jan 2013 Nov 2013
PUBLICATIONS	2) <u>T. Kim</u> and J. Choi, Reading documents for bayesian Online Change Point Detection , in <i>Empirical Methods on Natural Language Processing (EMNLP)</i> , Lisbon, Portugal, Sep 2015. 1) <u>T. Kim</u> , D. Lee, J. Choi, A. Spurlock, A. Sim, A. Todd, K. Wu, Extracting Baseline Electricity Usage Using Gradient Tree Boosting , in <i>2015 International Conference on Big Data Intelligence and Computing (DataCom 2015)</i> , Best Paper Award , Chengdu, China, Dec 2015.	
PROJECTS	MemN2N-tensorflow, NTM-tensorflow, and DCGAN-tensorflow Implemented End-To-End Memory Networks (Sukhbaatar et, al. 2015), Neural Turing Machine (Graves et, al. 2014), and Deep Convolutional Generative Adversarial Networks (Radford et, al. 2015) in TensorFlow. Poet Neural , <i>Artificial intelligence that generates Korean poetry</i> Build a generative model for Korean poetry using neural network for Character-level Language and an online demo Reverse Engineering , <i>LINE, KakaoTalk, Between, Ndrive, and Korail</i> Reverse engineered LINE, KakaoTalk, Between, Ndrive, and Korail mobile applications and wrote python libraries Remote Code Execution , <i>on UNIST attendance checking devices</i> Embedded devices that check attendance cards was vulnerable to MS 08-067. The password of a main DB server for attendance data is extracted by reverse engineering of the attendance checking program	
SCHOLARSHIPS	Global Scholarship for Undergraduate Research Opportunities Program, UNIST Received \$3,000 as a financial support for research internship at Lawrence Berkeley National Laboratory	2015
LEADERSHIP	HeXA, Computer Security Club, UNIST President	Aug 2012 – Mar 2013