

Taehoon Kim

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RESEARCH INTERESTS	Machine Learning, Deep Learning, Natural Language Processing
EDUCATION	Ulsan National Institute of Science and Technology , Ulsan, South Korea B.A., in Computer Science & Engineering, Electrical Engineering Mar 2011 – Aug 2015
ACADEMIC HONORS & AWARDS	Student Cluster Challenge , Finalist Jun 2014 International Supercomputing Conference 2014 One of 11 undergraduate teams selected through the preliminary contest. Korea Whitehat Contest 2013 , 3rd place Sep 2013 Ministry of National Defense and National Intelligence Service Awarded by the Minister of National Defense. Received an award of \$8,000. Asia student Supercomputing Challenge 14 , Finalist Apr 2014 One of 16 teams among 82 international teams selected through the preliminary contest.
PUBLICATIONS	1) <u>T. Kim</u> and J. Choi, “Reading documents for bayesian Online Change Point Detection,” in <i>Empirical Methods on Natural Language Processing</i> , Lisbon, Portugal, Sep 2015.
RESEARCH EXPERIENCE	Lawrence Berkeley National Laboratory , California, USA Undergraduate Research Student Jul 2015 – Aug 2015 <ul style="list-style-type: none">Identify energy use patterns in smart meter data, and relate these patterns to actions of householdsDetect changes in energy use patterns related to energy savings from time and behavior based programsMake baseline models for each household to cluster the households into different groups Probabilistic Artificial Intelligence Lab , UNIST Undergraduate Research Student Sep 2014 – Sep 2015 <ul style="list-style-type: none">Improved Bayesian Online Change Point Detection by Reading TextsGenerative model for Korean poetry using Multi-layer LSTM for Character-level LanguageFood Image Recognition: Combination of Deep Convolutional Features and Shallow Encoded FeaturesLanguage-specific Sentiment Analyzer using Morpheme Analysis
EMPLOYMENT	Moloco , Palo Alto, California, USA Summer Student Internship Oct 2014 – Jan 2015 <ul style="list-style-type: none">Implement a maximum-likelihood estimation model of the number of app download users.Build an online visualization of stochastic models from a large-scale crawled database by optimizing SQL queries and building a memory based cache system. NAVER LABS , Seongnam, Gyeonggi-do, South Korea Summer Student Internship Jul 2014 – Aug 2014 <ul style="list-style-type: none">Build a cloud comment hosting service using Django and Angular.js.
OTHER HONORS & AWARDS	Asia student Supercomputing Challenge 13 , Finalist Jan 2013 One of 10 teams among 43 teams selected through the preliminary contest. Holyshield Hacking Contest 2013 , 1st place, Catholic University of Korea Nov 2013 Awarded by the President of Catholic University of Korea. Received an award of \$1,000. Student Outstanding Contribution Awards , UNIST Dec 2013, Dec 2014
SCHOLARSHIPS	Global Scholarship for Undergraduate Research Opportunities Program, UNIST 2015 Received \$3,000 as a financial support for research internship at Lawrence Berkeley National Laboratory. Academic Performance Scholarship, UNIST 2011 – 2015 National Science and Engineering Scholarship, Korean Student Aid Foundation 2013
CAMPUS ACTIVITIES	HeXA, Computer Security Club, UNIST President Aug 2012 – Mar 2013 <ul style="list-style-type: none">Lead more than 10 different hacking competitions and international supercomputing competitions.Find a vulnerability of Korean online shopping mall and electronic attendance systems in UNIST.Reverse engineered LINE, KakaoTalk, Between, Ndrive, and Korail.
SKILLS	Python, Java, JavaScript, MATLAB, Go, Lua, Ruby, C / C++, C#, HTML, CSS