

Taeheon Kim

50, UNIST-gil, Eonyang-eup, Ulju-gun, Ulsan, South Korea
carpedm20@gmail.com • +82 (10) 9964-0697 • <http://carpedm20.github.io/>

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) T. Kim 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.
RESEARCH EXPERIENCE	Lawrence Berkeley National Laboratory , California, USA Jul 2015 – Aug 2015 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 Probabilistic Artificial Intelligence Lab , UNIST Sep 2014 – Sep 2015 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
EMPLOYMENT	Moloco , <i>Student Web Developer</i> , California, USA Oct 2014 – Jan 2015 <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. Naver Labs , <i>Software Development Intern</i> , Seoul, South Korea 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
PROJECTS	Poet Neural , <i>Recurrent neural network that generates Korean poetry</i> Build a generative model for Korean poetry using Multi-layer LSTM for Character-level Language and an online demo ReviewDuk , <i>Korean Sentiment Analyzer</i> Build a Korean Sentiment Analyzer in Morphologically Rich Languages using a regression model and an online demo
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 competitionsFind a vulnerability of Korean online shopping mall and electronic attendance systems in UNISTReverse engineered LINE, KakaoTalk, Between, Ndrive, and Korail and wrote python libraries
SKILLS	Python, Java, JavaScript, MATLAB, Go, Lua, Ruby, C / C++, C#, HTML, CSS