

Dongju Park

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WORK EXPERIENCE

NAVER Corporation

- CLOVA AI
- Research Scientist / Engineer
 - Conversation Modeling
 - Data Augmentation
 - Generative Model

Feb 2020 – Present

EDUCATION

Gwangju Institute of Science and Technology (GIST)

- M.S in Electrical Engineering and Computer Science
- Meta-Evolutionary Machine Intelligence Laboratory
 - Focus: Natural Language Processing, Deep Learning, Machine Learning
 - Adviser: Prof. Chang Wook Ahn

Mar 2018 – Feb 2020

Chonnam National University

- B.S. in Industrial Engineering

Mar 2012 – Feb 2018

RESEARCH EXPERIENCE

Meta-Evolutionary Machine Intelligence Laboratory, GIST

- Research Intern

Sep 2017 – Feb 2018

PUBLICATIONS

INTERNATIONAL JOURNALS

- [2] C. Kim, D. Park and HN. Lee, "Compressive Sensing Spectroscopy Using a Residual Convolutional Neural Network," *Sensors*, vol. 20, no. 3: 594, 2020. (SCIE)
- [1] D. Park and CW. Ahn, "Self-Supervised Contextual Data Augmentation for Natural Language Processing," *Symmetry*, vol. 11, no. 11: 1393, 2019. (SCIE)

INTERNATIONAL CONFERENCES

- [2] C. Kim, D. Park and HN. Lee, "Convolutional neural networks for the reconstruction of spectra in compressive sensing spectrometers," *SPIE Photonics West 2019*, 2019.
- [1] D. Park and CW. Ahn, "LSTM Encoder-Decoder with Adversarial Network for Text Generation from Keyword," *The 13th International Conference on Bio-inspired Computing: Theories and Applications (BIC-TA)*, 2018.

DOMESTIC JOURNALS

- [1] D. Park, BW. Kim, YS. Jeong, and CW. Ahn, "Deep Neural Network Based Prediction of Daily Spectators for Korean Baseball League : Focused on Gwangju-KIA Champions Field," *Smart Media Journal*, vol. 7, no. 1, pp. 16–23, Mar 2018. (KCI)

DOMESTIC CONFERENCES

- [3] D. Park and CW. Ahn, "Named Entity Recognition using Bidirectional LSTM-CRF Combining Named Entity Ratio Dictionary," *Korea Computer Congress*, 2019.
- [2] D. Park and CW. Ahn, "Classifying Documents with Self-Attention Network Built on Input-Keyword Combination," *Spring Conference Of Korean Institute of Smart Media*, 2019.
- [1] D. Park and CW. Ahn, "Sentence Generation from Keyword using Generative Adversarial Networks," *Korea Computer Congress*, 2018.

PROJECTS

The Development of Harmonics-based Sound Design in view of Driver's Preference and Driving Condition

- Hyundai Motors
 - Sound design for driving conditions using deep learning
 - Analysis of personal preference using natural language processing

May 2019 – Dec 2019

Distributed Deep Reinforcement Learning for Real-world Problem

- Gwangju Institute of Science and Technology

Mar 2019 – Dec 2019

	<ul style="list-style-type: none"> • RNN and LSTM model design and hyperparameter tuning for time series data 	
	Co-evolutionary Interaction based Emergent Art Creation System with Multiobjective Aesthetic Evaluation	
	<ul style="list-style-type: none"> ▪ National Research Foundation of Korea • Implementation of Generative adversarial networks models for comparison with evolutionary algorithms 	Mar 2019 – Dec 2019
	Evolutionary Neural Network for Object Detection in a Wide Range of Distance for Autonomous Vehicles	
	<ul style="list-style-type: none"> ▪ National Research Foundation of Korea • CNN and LSTM model design and hyperparameter tuning for time series data 	Jul 2018 – Feb 2019
	Evolutionary Machine Learning based Emotional Contents Generation	
	<ul style="list-style-type: none"> ▪ Gwangju Institute of Science and Technology • Deep learning based methodology baseline implementation by implementing various GAN and LSTM based models 	Aug 2018 – Dec 2018
AWARDS & SCHOLARSHIPS	1st place, Haafor Challenge 2020 @ HAAFOR <ul style="list-style-type: none"> ▪ Finding the Chronological Order of Articles 	2020
	4th place, Commercial Online Game Data Analysis Competition @ GIST <ul style="list-style-type: none"> ▪ Design for Online Game Churn Prediction Model for considering residual value using the Commercial Online Game Data 	2020
	1st place, Naver NLP Challenge 2018 @ NAVER <ul style="list-style-type: none"> ▪ Named Entity Recognition Task 	2018
PROFESSIONAL AFFILIATIONS & ACTIVITIES	NVIDIA Deep Learning Institute Instructor <ul style="list-style-type: none"> ▪ Fundamentals of Deep Learning for Natural Language Processing 	2019 – Present
	Deep Learning From Scratch 2 (Korean Book) <ul style="list-style-type: none"> ▪ Beta reader 	2019
TEACHING EXPERIENCE	NVIDIA Deep Learning Institute @ GIST <ul style="list-style-type: none"> ▪ Instructor, Fundamentals of Deep Learning for Natural Language Processing 	2020
	Software Practical Use and Coding @ GIST <ul style="list-style-type: none"> ▪ Teaching Assistant, Data Crwaling and Deep Learning 	2019
	NVIDIA Deep Learning Institute @ NVIDIA DLI <ul style="list-style-type: none"> ▪ Teaching Assistant, Deep Learning Fundamentals for Multi-GPU 	2019
	Machine Learning and Deep Learning @ KEPCO KDN <ul style="list-style-type: none"> ▪ Teaching Assistant, Machine Learning, Deep Learning and Tensorflow 	2018
	Research and Education @ Jeonnam Science High School <ul style="list-style-type: none"> ▪ Teaching Assistant, Creative Font Generation System using Deep Learning 	2018
LANGUAGES	<ul style="list-style-type: none"> ▪ Korean: Native language ▪ English: Intermediate 	
SKILLS	<ul style="list-style-type: none"> ▪ Python, Scala, Pytorch, Tensorflow, C++, JAVA 	

[CV compiled on 2020-09-01]