Joongbo Shin

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Education	**Seoul National University**, Seoul, Korea	
	• *Ph.D. Candidate in Electrical and Computer Engineering*	(expected) Feb. 2021
	- Adviser: Prof. Kyomin Jung	
	• *M.S. in Electrical and Computer Engineering*	Feb. 2016
	- Adviser: Prof. Kyomin Jung	
	Yonsei University, Seoul, Korea	
	• *B.A. in Electrical and Electronic Engineering*	Feb. 2013

Research Interests	**Natural Language Processing**
	· Language modeling (unsupervised learning)
	· Text generation/evaluation/classification
	Deep Learning for AI
	· Lifelong/transfer learning
	· Speech recognition/synthesis

Academic Activities	**Teaching Assistant**	
	· Programming Methodology, **Seoul National University**	Spring, 2014
	· Advanced Programming Methodology, **Seoul National University**	Fall, 2015
	· Advanced Programming Methodology, **Seoul National University**	Fall, 2018
	Projects	
	· Developing PRIVACY-PRESERVING LEARNING Technology for Personalization Services, Samsung Electronics Co.	May. 2015 – Dec. 2015
	· Developing Deep Learning-based Character Recognition System for PCB Inspection Systems, Koh Young Tech.	Nov. 2015 – Jun. 2016
	· Developing Character Recognition Engine in String Images, Koh Young Tech.	Mar. 2017 – Aug. 2017
	· Developing machine intelligence based conversation system that detects situations and responds to human emotions, KEIT	Nov. 2016 – Dec. 2021
	Challenge	
	· **5th place** / 71 teams, National AI R&D Fake News Challenge, Ministry of Science and ICT, Korea	Aug. 2017 – Dec. 2017

Publications   **Conferences**

[6] **J Shin**, Y Lee, S Yoon and K Jung, "Fast and Accurate Deep Bidirectional Language Representations for Unsupervised Learning" to appeal in *Annual Meeting of the Association for Computational Linguistics (ACL)*, 2020.

[5] **J Shin**, Y Lee and K Jung, "Effective Sentence Scoring Method Using BERT for Speech Recognition" in *Asian Conference on Machine Learning (ACML)*, 2019.

[4] Y Kim, H Lee, **J Shin**, K Jung, "Improving neural question generation using answer separation" in *Proc. of the AAAI Conference on Artificial Intelligence (AAAI)*, 2019.

[3] S Yoon, K Park, **J Shin**, H Lim, S Won, M Cha, K Jung, "Detecting Incongruity Between News Headline and Body Text via a Deep Hierarchical Encoder" in *Proc. of the AAAI Conference on Artificial Intelligence (AAAI)*, 2019.

[2] S Yoon, **J Shin**, K Jung, "Learning to Rank Question-Answer Pairs using Hierarchical Recurrent Encoder with Latent Topic Clustering" in *Proc. of Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*, 2018.

[1] **J Shin**, Y Kim, S Yoon, K Jung, "Contextual-CNN: A Novel Architecture Capturing Unified Meaning for Sentence Classification" in *Proc of the IEEE International Conference on Big Data and Smart Computing (BigComp)*, 2018.

Journals

[1] S Lim, **J Shin**, N Kwak, K Jung, "Phase transitions for information diffusion in random clustered networks" in *The European Physical Journal B*, 2016.

Patents   **Korean Patents**

[2] K Jung, S Yoon, **J Shin**, H Kwak, S Byun, "Artificial intelligence based dialog system and response control method thereof," ***issued patent***, *KR 10-2059015*, Dec. 18, 2019

[1] K Jung, **J Shin**, S Yoon, "Apparatus and method for evaluating sentense by using bidirectional language model," *pending patent*, *KR1020190165712*, Dec. 12, 2019