

# Yeon Seonwoo

yeon.seonwoo@kaist.ac.kr

+82-010-5476-1995

EDUCATION	<b>KAIST Ph.D. Student</b> , Sep 2017 - Present School of Computing, Daejeon, Republic of Korea
	<b>KAIST M.S.</b> , Mar 2016 - Aug 2017 School of Computing, Daejeon, Republic of Korea Thesis title
	<b>Sungkyunkwan Univ B.S.</b> , Mar 2012 - Feb 2016 Computer Science and Engineering, Suwon, Republic of Korea
PUBLICATION	<b>Yeon Seonwoo</b> , Sungjoon Park, Dongkwan Kim, and Alice Oh. “Additive Compositionality of Word Vectors.” Workshop on Noisy User-generated Text at EMNLP 2019.
	Sungjoon Park, <b>Yeon Seonwoo</b> , Jiseon Kim, Jooyeon Kim and Alice Oh. “Denoising Recurrent Neural Networks for Classifying Crash-Related Events.” IEEE Transactions on Intelligent Transportation Systems. 2019.
	<b>Yeon Seonwoo</b> , Sungjoon Park, and Alice Oh. “Hierarchical Dirichlet Gaussian Marked Hawkes Process for Narrative Reconstruction in Continuous Time Domain.” Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing. 2018.
EXPERIENCE	<b>Summer Visiting Student, MIT</b> July 2018 - Oct 2018 Collaborative researcher, MIT Political Science Lab. Massachusetts, Cambridge, U.S.
	<b>Internship, Developer, Codigm Corp</b> Oct 2015 - Jan 2016 Front-End/Back-End developer. Homepage: <a href="https://www.goorm.io/">https://www.goorm.io/</a> Seongnam, Republic of Korea
RESEARCH TOPICS	<b>Bayesian Modeling</b> Time series modeling with Poisson point processes; Generating representative data points with sparse Gaussian processes
	<b>Representation Learning</b> Theoretical analysis on word embedding models; Contextualized word embedding model
	<b>Computational Social Science</b> Political science research with U.S. lobbying data
RESEARCH PROJECTS	<b>Feature Extraction Method on Contextualized Word Embedding Models (2019-Present)</b> Modeling a novel feature extraction method on contextualized word embedding model. [Naver Clova Corp.]
	<b>Theoretical Analogy of Compositionality of Word Embedding Models (2018-2019)</b> Proving additive compositionality of Skip-Gram; Modeling a novel word embedding model based on our theorem. [Naver Clova Corp.]
	<b>Document Clustering with Poisson Point Process (2017-2018)</b> Clustering related New York Times news articles with topic information and publication time information of each article. [NCSoft]

**ACADEMIC  
SERVICE**

Reviewer of ACL 2019  
Reviewer of EMNLP 2019  
Reviewer of ICLR 2019

**TEACHING  
EXPERIENCE**

Machine learning for social science, TA, Mar 2019 - Aug 2019.  
Data structure, TA, Sep 2018 - Feb 2019.  
Data structure, TA, Mar 2018 - Aug 2018.  
Data structure, TA, Sep 2017 - Feb 2018.  
Artificial Intelligence & Machine Learning, TA, Mar 2017 - Aug 2017.  
Data structure, TA, Sep 2016 - Feb 2017.

**COMPUTER  
SKILLS**

**Languages:** C, C++, Java, Python, L<sup>A</sup>T<sub>E</sub>X.  
**Web Development:** HTML, CSS, JavaScript.  
**Applications:** Vi/Vim, Git, Docker.

**REFERENCES**

Prof. Alice Haeyun Oh, School of Computing, KAIST, [alice.oh@kaist.edu](mailto:alice.oh@kaist.edu)

**SCHOLARSHIP**

Korea National Science& Technology Scholarship (2012-2016)