Yeon Seonwoo

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EDUCATION

KAIST Ph.D. Student, Sep 2017 - Present
School of Computing, Daejeon, Republic of Korea

KAIST M.S., Mar 2016 - Aug 2017
School of Computing, Daejeon, Republic of Korea
Thesis title

Sungkyunkwan Univ B.S., Mar 2012 - Feb 2016
Computer Science and Engineering, Suwon, Republic of Korea

PUBLICATION

Yeon Seonwoo, Sungjoon Park, Dongkwan Kim, and Alice Oh. "Additive Compositionality of Word Vectors." Workshop on Noisy User-generated Text at EMNLP 2019.

Sungjoon Park, **Yeon Seonwoo**, Jiseon Kim, Jooyeon Kim and Alice Oh. "Denoising Recurrent Neural Networks for Classifying Crash-Related Events." IEEE Transactions on Intelligent Transportation Systems. 2019.

Yeon Seonwoo, 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

Summer Visiting Student, MIT
July 2018 - Oct 2018 Massachusetts, Cambridge, U.S.
Collaborative researcher, MIT Political Science Lab.

Internship, Developer, Codigm Corp
Oct 2015 - Jan 2016 Seongnam, Republic of Korea
Front-End/Back-End developer.
Homepage: `https://www.goorm.io/`

RESEARCH TOPICS

Bayesian Modeling
Time series modeling with Poisson point processes; Generating representative data points with sparse Gaussian processes

Representation Learning
Theoretical analysis on word embedding models; Contextualized word embedding model

Computational Social Science
Political science research with U.S. lobbying data

RESEARCH PROJECTS

Feature Extraction Method on Contextualized Word Embedding Models (2019-Present)
Modeling a novel feature extraction method on contextualized word embedding model. [Naver Clova Corp.]

Theoretical Analysis on Compositionlity of Word Embedding Models (2018-2019)
Proving additive compositionality of Skip-Gram; Modeling a novel word embedding model based on our theorem. [Naver Clova Corp.]

Document Clustering with Poisson Point Process (2017-2018)
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, LaTeX. **Web Development**: HTML, CSS, JavaScript. **Applications**: Vi/Vim, Git, Docker.
REFERENCES	Prof. Alice Haeyun Oh, School of Computing, KAIST, alice.oh@kaist.edu
SCHOLARSHIP	Korea National Science& Technology Scholarship (2012-2016)