

Yoo Yeon Sung

yysung@github.io
yysung53@umd.edu
(301) 433 5342

Education	University of Maryland, College Park <ul style="list-style-type: none">• Ph.D. candidate in Information Studies (iSchool)• Advisor: Dr. Naeemul Hassan and Dr. Jordan Boyd-Graber Korea University <ul style="list-style-type: none">• Master of Science in Industrial Management Engineering Chung-ang University <ul style="list-style-type: none">• Bachelor of Arts in English Language and Literature• Bachelor of Science in Computer Science and Engineering (Minor)	Maryland, United States Sept. 2020 - Current Seoul, Republic of Korea Sept. 2017 - Aug. 2019 Seoul, Republic of Korea Mar. 2013 - Aug. 2017
Publications	<ol style="list-style-type: none">[1] Yoo Yeon Sung, Jordan Boyd-Graber, and Naeemul Hassan Not all Fake News is Written: A Dataset and Analysis of Misleading Video Headlines <i>Empirical Methods in Natural Language Processing</i>, 2023[2] Yoo Yeon Sung, Seoung Bum Kim, Topical keyphrase extraction with hierarchical semantic networks. <i>Decision Support Systems(DSS)</i>, 2020[3] Sang Min Lee, Park Sung Ho, Yoo Yeon Sung, Seoung Bum Kim, Incremental Learning for Nonstationary Traffic Control in Automated Vehicle Systems. <i>the 13th Data Mining and Decision Analytics Workshop, INFORMS 2018 Annual Meeting</i>, 2018. <i>Short Paper</i>[4] Yoo Yeon Sung and Seoung Bum Kim, Machine Learning-Based Health Index for Equipment Malfunction Prediction. <i>Industrial Engineering Management Science Conference, Gyeongju, Republic of Korea</i>, 2017.	
Research Projects	Leaderboard: Human-Computer Adversarial QA , Meta AI Research BaitBuster 2.0: Keeping Users Away From Clickbait , NSF Neural machine translation with user logs R&D , Papago, Naver Conversational platform NLU engine R&D , Hanhwa Systems Multi-document keyword extraction for Sci&Tech analysis , KISTI 154kV Substation Maintenance and HI optimization , Hyosung	Sept. 2021 - Current Sept. 2020 - Current April. 2020 - Aug. 2020 Sept. 2018 - Dec. 2018 May. 2018 - Oct. 2018 Nov. 2017 - April. 2018
Professional Experiences	Manufacturing Execution System Development , ISOS Consulting <i>Developer Assistant</i> <ul style="list-style-type: none">• Built sub-category engine in MES which enables quantitative analysis of products• Performed statistical analysis to prevent false alarms in manufacturing process	June. 2015 - Aug. 2015
Technical Skills	<ul style="list-style-type: none">• Python, Pytorch, Tensorflow, Javascript, nodeJS, Java, C, C++, R, and MATLAB• Gensim, Mallet, Spacy, NLTK, regex	
Awards	Doctoral Students Research Awards , University of maryland <ul style="list-style-type: none">• This award is to provide funding to assist students who could greatly advance their dissertation proposal or dissertation related research Chung Woon Shik Scholarship , Chung-ang University <ul style="list-style-type: none">• This scholarship is awarded to students with outstanding academic achievements	Spring, 2022 Spring, Fall 2016
Teaching Experiences	Artificial Intelligence Professional Training , Hanhwa Systems <i>Text mining Educator</i> <ul style="list-style-type: none">• Text embedding methods and visualization Covered distributed representation (Word2vec, Doc2vec, Glove), pre-processing, language models, and t-sne visualization• Text Analysis and Application Covered Term-frequency representation (TF-IDF, Bag-of-Words), document clustering and classification, and sentimental analysis	April. 2019