Miyoung Ko

Ph.D. Student in Graduate School of AI

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Language and Knowledge Lab

+82-10-9946-5845

KAIST

RESEARCH INTERESTS

Fact Verification, Knowledge-augmented generation, Interpretability / Analysis of NLP Models

EDUCATION

Korea University, College of Science, Seoul — **GPA** : 4.23 / 4.50
  B.S., Department of Chemistry — Mar 2014 - Aug 2018
Korea University, College of Informatics, Seoul
  B.S. (Double Major), Department of Computer Science and Engineering — Mar 2014 - Aug 2018
  Advisor: Prof. Jongseung Kim

Korea University, College of Informatics, Seoul — **GPA** : 4.50 / 4.50
  M.S., Department of Computer Science and Engineering — Sep 2018 - Aug 2020
  Advisor: Prof. Jaewoo Kang
Korea Advanced Institute of Science and Technology (KAIST), Seoul — **GPA**: 4.15 / 4.30
  Ph.D student, Graduate School of AI — Mar 2021- Present
  Advisor: Prof. Minjoon Seo

PUBLICATIONS

ClaimDiff: Comparing and Contrasting Claims on Contentious Topics [pdf] [dataset] — Findings of ACL 2023
  Miyoung Ko, Ingyu Seong, Hwaran Lee, Joonsuk Park, Minsuk Chang, Minjoon Seo

Look at the First Sentence: Position Bias in Question Answering [pdf] — EMNLP 2020 (Full)
  Miyoung Ko, Jinhyuk Lee, Hyunjae Kim, Gangwoo Kim, Jaewoo Kang

Answering Questions on COVID-19 in Real-Time [pdf] — EMNLP 2020 NLP-COVID Workshop
  Jinhyuk Lee, Sean S. Yi, Minbyul Jeong, Mujeen Sung, Wonjin Yoon, Yonghwa Choi, **Miyoung Ko**, Jaewoo Kang

SAIN: Self-Attentive Integration Network for Recommendation [pdf] — SIGIR 2019 (Short)
  Seongjun Yun, Raehyun Kim, **Miyoung Ko**, Jaewoo Kang

ReSimNet : Drug Response Similarity Prediction based on Siamese Neural Network [pdf] — Bioinformatics (2019)
  Minji Jeon*, Donghyeon Park*, Jinhyuk Lee, Hwisang Jeon, **Miyoung Ko**, Sunkyu Kim, Yonghwa Choi, Aik-Choon Tan, Jaewoo Kang

Ranking Paragraphs for Improving Answer Recall in Open-Domain Question Answering [pdf] — EMNLP 2018 (Short)
  Jinhyuk Lee, Seongjun Yun, Hyunjae Kim, **Miyoung Ko**, Jaewoo Kang

Name Nationality Classification with Recurrent Neural Networks [pdf] — IJCAI 2017 (Full)
  Jinhyuk Lee, Hyunjae Kim, **Miyoung Ko**, Donghee Choi, Jaehoon Choi, Jaewoo Kang

EXPERIENCE

NAVER Corp., Seongnam, South Korea   Aug 2021 - Present
Research Collaborator, NAVER AI Labs
- Leading a research project on proposing a new task of comparing claims on contentious topics
- Leading a research project on building knowledge-augmened product-related chatbot based on LLMs

NAVER Corp., Seongnam, South Korea   Sep 2020 – Feb 2021
Research Intern, Clova AI
- Worked on developing unsupervised intent classification system based on the domain adaptation technique

CHALLENGES & PROJECTS

Kaggle COVID-19 Open Research Dataset Challenge (CORD-19)   Apr 2020
Open covidAsk (real-time QA systems): https://covidask.korea.ac.kr\
- Evaluation guideline and additional QA data

Multi-Targeting Drug DREAM Challenge (1st. Place)   Nov 2018
- Build model utilizing molecular graph input

TEACHING

(KAIST AI620) Bias and Ethics in Natural Language Processing   Spring 2023
Teaching Assistant

(KAIST AI599) Special Topics in Machine Learning <AI for Law>   Fall 2022
Teaching Assistant

(KAIST AI605) Deep Learning for NLP   Spring 2021, Fall 2021, Spring 2022
Teaching Assistant

INVITED TALK

Position Bias in Question Answering   2021 Feb
Naver

HONORS

SBS Foundation Scholarship   Sep 2019 – Aug 2020
Semester High Honors
2nd. Sem. 2014, 1st. Sem. 2015, 2nd. Sem. 2015, 1st. Sem. 2016, 1st. Sem. 2017
National Science and Engineering Scholarship   Mar 2016 – Aug 2018
Samsung Welfare Foundation Scholarship   Mar 2016
Honors Scholarship, Korea University   Sep 2014, Mar 2015
Science Prodigy Scholarship, Korea University   Mar 2014