



# DAEYOUNG KIM

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## RESEARCH INTERESTS

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Reliability of Machine Learning, Natural Language Processing, Machine Learning for Healthcare

## EDUCATION

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### Korea Advanced Institute of Science and Technology

March 2021 - Present

Master's Degree

- Master of Artificial Intelligence (Graduate School of AI)
- Advisor: Prof. Edward Choi
- GPA 3.98 / 4.3 (Present)

### Korea University

Mar 2015 - Feb 2021

Bachelor's Degree

- Bachelor of Department of Computer Science and Engineering
- Bachelor of Integrated Major in Information Security Convergence
- GPA 3.81 / 4.5

## PUBLICATION

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### Towards the Practical Utility of Federated Learning in the Medical Domain

Seongjun Yang, Hyeonji Hwang, **Daeyoung Kim**, Radhika Dua, Jong-Yeup Kim, Eunho Yang, and Edward Choi  
arxiv 2022. (*Under Review*)

### Revisiting the Importance of Amplifying Bias for Debiasing

Jungsoo Lee\*, Jeonghoon Park\*, **Daeyoung Kim\***, Juyoung Lee, Edward Choi, Jaegul Choo  
In Proc. of Association for the Advancement of Artificial Intelligence (AAAI), 2023

### Uncertainty-Aware Text-to-Program for Question Answering on Structured Electronic Health Records

**Daeyoung Kim**, Seongsu Bae, Seungho Kim, Edward Choi.  
In Proc. of Conference on Health, Inference, and Learning (CHIL) 2022.

### Question Answering for Complex Electronic Health Records Database using Unified Encoder-Decoder Architecture

Seongsu Bae, **Daeyoung Kim**, Jiho Kim, Edward Choi.  
In Proc. of Machine Learning for Health (ML4H) 2021 (Oral Spotlight)

## RESEARCH AND WORK EXPERIENCES

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### Research Engineer Intern

Jul 2022 - Present

NAVER CLOVA CIC., Seongnam, South Korea

- Sentence Embedding using Large Language Model (HyperCLOVA)

### Research Engineer Intern

Jul 2020 - Aug 2020

NAVER Corp., Seongnam, South Korea

- Sentimental Analysis of Short Sentence, Data Augmentation

### Undergraduate Researcher

Jan 2020 - Dec 2020

Data Mining and Information Systems Lab, Seoul, South Korea

## AWARD

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### **Capstone Design at Korea Univ.**

*Text Summarization of Biomedical paper related to COVID-19*

**3rd Award**

*Jun 2020*

### **HeLP Challenge 2019 at Asan Medical Center**

*Breast Cancer Classification on Frozen Pathology*

**1st Award**

*Apr 2020*

### **Kakao Arena**

*Article Recommendation Task*

**3rd Award**

*Feb 2019*

## TECHNICAL SKILLS

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### **Programming Language:**

Python, C

### **Deep Learning Framework:**

Pytorch, Keras, TensorFlow