

MINJU KIM

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RESEARCH INTERESTS

- Dialogue Agent
- Machine Reasoning
- Natural Language Processing

EDUCATION

Yonsei University, Seoul, Republic of Korea

March 2021 - Present

M.S./Ph.D. Student, Department of Artificial Intelligence

Advised by Prof. Jinyoung Yeo

Sejong University, Seoul, Republic of Korea

March 2017 - Feb 2021

B.S., Double major in Department of Software & Department of Data Science

GPA: 4.05/4.5 (Magna Cum Laude)

PUBLICATIONS

(* denotes equal contribution)

BotsTalk: Machine-Sourced Framework for Automatic Curation of Large-scale Multi-skill Dialogue Datasets

Minju Kim*, Chae Hyeong Kim*, Yongho Song, Seung-won Hwang, Jinyoung Yeo

Under review: *Proceedings of ACL (long)*. 2022.

Dual Task Framework for Improving Persona-grounded Dialogue Dataset

Minju Kim*, Beong-woo Kwak*, Youngwook Kim, Hong-in Lee, Seung-won Hwang, Jinyoung Yeo

In: *Proceedings of AAAI*. 2022.

Detecting Incongruent News Headlines with Auxiliary Textual Information

Joonwon Jang, Yoonsik Cho, **Minju Kim**, Misuk Kim

In: *Expert Systems with Applications*. 2022.

PROJECTS

Self-question-and-answer-based Automatic Medical Diagnosis Technology

Sep 2021 - Present

Samsung

- Developing multi-modal answer generator to give appropriate answer to medical image and question

Cold-start Categorization via Category Generation

March 2021 - Aug 2021

SOCAR

- Developing a framework for categorizing unlabeled documents
- Categorizing documents via weakly-supervised learning and self-transfer learning

Incongruent News Detection

July 2020 - April 2021

KOCCA (Korea Creative Content Agency)

- Generating dataset for detecting incongruent news
- Developing a method to detect incongruent news using auxiliary textual information

Anti Cheating Program for Online Exam

July 2021

AI Hackathon, Sejong University

- Developing an anti cheating program for online exam during COVID-19
- Using motion recognition model to detect cheating on-the-fly

Personalized Subscription Service Management Application*Sep 2019 - Dec 2019**Graduation Capstone, Sejong University*

- Developing an application to track all activities of subscription-based services

Automatic Image Classification for Second-hand Market*Dec 2019**AI Hackathon, Sejong University*

- Developing second-hand market website with automatic image classification

- Using pre-trained ResNet50 and train on crawled images

Department Office Assistant Chatbot*July 2019**AI Hackathon, Sejong University*

- Developing chatbot for answering questions from college students

TEACHING & ADVISING

Teaching Assistant for Software Capstone Design (Prof. JinYoung Yeo)*Sep 2021 - Dec 2021*

Yonsei University, Seoul, Republic of Korea

Python Programming Instructor*Mar 2018 - Dec 2018*

Heaseong Girls' High School, Seoul, Republic of Korea

Teaching python on a week basis

High School Hackathon Mentoring*Oct 2018 - Nov 2018*

Ilsan Daejin High School, Goyang-si, Gyeonggi-do, Republic of Korea

Teaching arduino and mentor for high school hackathon

C, Arduino Instructor*June 2017 - Dec 2017*

Seoul Convention High School, Seoul, Republic of Korea

Teaching C programming and Arduino on a week basis

HONORS & SCHOLARSHIPS

Academic Excellence Scholarship*Sejong University*

Department of Software

Academic Studies Enhancement Scholarship*Sejong University*

College of Software Convergence

Gold Prize*Sejong University*

AI Hackathon, Winter 2020

Gold Prize*Sejong University*

AI Hackathon, Summer 2020

Silver Prize*Sejong University*

AI Hackathon, Winter 2019

4th Prize*Sejong University*

Programming Competition, 2017

SKILLS

Technical**- Programming Languages:**

Python, C, C++, C#, Java

- Software & Tools:**Data Mining:** Numpy, Pandas, Scikit-Learn**Machine Learning:** Pytorch, Tensorflow, Keras**Others:** BeautifulSoup, Selenium, Git & Github, MySQL, MongoDB, Flask**Language****- Korean:**

Native

- English:

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