BEONG-WOO KWAK

bwookwak.github.io | bwoo.kwak@yonsei.ac.kr | (+82)10-9193-3861

RESEARCH INTERESTS

My research interest is in the field of NLP. I currently focus on Conversational AI where knowledge, reasoning and interaction come into play. Especially, I am interested in
(1) Long-term Interaction Capabilities
(2) Multiple Knowledge Integration
(3) Data Scarcity.

EDUCATION

Yonsei University, Seoul, Republic of Korea　　　　　　　　　Mar 2022 - Current
Ph.D. Student, Artificial Intelligence ; GPA: 4.17/4.5
Advised by Prof. Jinyoung Yeo

Yonsei University, Seoul, Republic of Korea　　　　　　　　　Mar 2020 - Feb 2022
M.S., Artificial Intelligence ; GPA: 4.20/4.5
Advised by Prof. Jinyoung Yeo

University of California, Santa Cruz, The United States of America　　Jan 2018 - Jul 2018
Exchange Student Program

Yonsei University, Seoul, Republic of Korea　　　　　　　　　Mar 2014 - Feb 2022
B.S., Computer Science ; Major GPA: 3.86/4.5
Compulsory military service in the Republic of Korea Army (Oct 2015- Jul 2017)

PUBLICATIONS (* Denotes equal contribution)

CONFERENCES

[3] **Modularized Transfer Learning with Multiple Knowledge Graphs for Zero-shot Commonsense Reasoning**　　　　　　　　　NAACL 2022 / Oral presentation
Yu Jin Kim, Beong-woo Kwak, Youngwook Kim, Seung-won Hwang,
Reinald Kim Amplayo, Jinyoung Yeo

[2] **TrustAL: Trustworthy Active Learning using Knowledge Distillation**　　AAAI 2022
Beong-woo Kwak, Youngwook Kim, Yu Jin Kim, Seung-won Hwang, Jinyoung Yeo

[1] **Dual Task Framework for Improving Persona-grounded Dialogue Dataset**　　AAAI 2022 / Oral presentation
Minju Kim*, Beong-woo Kwak*, Youngwook Kim, Hong-in Lee, Seung-won Hwang,
Jinyoung Yeo

UNDER REVIEW

Persona Replay: Long-Term Open-Domain Conversation with Semantic-Episodic Reassembled Memory
Minju Kim*, Beong-woo Kwak*, Jinyoung Yeo

IN PREP

Future-guided Response Generation
Beong-woo Kwak, Chaehyeong Kim, Minju Kim, Jinyoung Yeo

ACADEMIC SERVICE

Reviewer: EMNLP (2022), AAAI (2023)
Teaching Experiences:

- NVIDIA (Teaching Assistant on NLP)

- Teaching Assistant at Yonsei Univ: Text and Language Understanding, Big Data

HONORS & SCHOLARSHIPS

Top Prize   Computer Science Department, Yonsei Univ
Software Capstone Design

Top Presentation Prize   College of Engineering, Yonsei Univ
Yonsei Creative Exhibition Presentation

Encouragement Prize   Ministry of Trade, Industry and Energy
As a representative of Yonsei University. Capstone Design Fair

Student Teaching Assistant Scholarship   Department of Artifical Intelligence, Yonsei Univ
Head Professor TA

EXPERIENCES

COMPANY EXPERIENCES
42 Maru.Inc (Question Answering Engineer)   Aug 2019 - Dec 2019

- Worked on extractive summarization, NER system, Korean MRC.

SKILLS

LANGUAGE

- Korean (Native)
- English (Fluent)

PROGRAMMING SKILLS

- Programming Languages: Python, Java
- ML/DL Frameworks: Pytorch, Scikit Learn, Keras
- Other Tools & Skills: Vim, Git, Latex, Shell scripts, Docker (Currently managing GPU cluster of CONVEI Lab, Yonsei University.)
- Operating Systems: Linux (Ubuntu), macOS, Windows