

RESEARCH INTERESTS

My research aims to develop human-friendly AI agents endowed with **social intelligence**. Toward this goal, I have worked on multimodal agents, evaluation methods for social intelligence, and the construction of benchmarks and large-scale synthetic datasets to model desirable human-like behaviors.

EXPERIENCE

Yonsei University

Visiting Scholar

Data & Language Intelligence Lab

Conducted research on timing-aware responses of open-domain dialogue systems

Seoul, South Korea

Jan 2024 – Present

Scatter Lab, Inc.

Machine Learning Researcher (full-time)

Contributed to the development of multimodal generative models for Luda Lee and Zeta

Seoul, South Korea

Feb 2022 – Dec 2023

Scatter Lab, Inc.

Visiting Researcher

Contributed to the development of response ranking models for Luda Lee

Seoul, South Korea

Aug 2019 – Feb 2022

Pohang University of Science and Technology

Research Intern

Developed a sentiment analysis web demo for online forums

Pohang, South Korea

Aug 2016 – Feb 2017

EDUCATION

Pohang University of Science and Technology

Ph.D. in Computer Science and Engineering; GPA: 3.95 / 4.3

Evaluating and Improving Human-like Characteristics of Social Companion Chatbots:

On Conversational Understanding, Multimodality, and Temporal Awareness

Advisor: Prof. Hwanjo Yu

Pohang, South Korea

Feb 2017 – Aug 2025

Pohang University of Science and Technology

B.S. in Computer Science and Engineering; GPA: 3.58 / 4.3

Pohang, South Korea

Mar 2011 – Aug 2016

PUBLICATIONS

(*: Equal contribution)

From What to Respond to When to Respond: Timely Response Generation for Open-domain Dialogue Agents

Seongbo Jang, Minjin Jeon, Jaehoon Lee, Seonghyeon Lee, Dongha Lee, and Hwanjo Yu

arXiv preprint, Jun 2025

On the Effectiveness of Integration Methods for Multimodal Dialogue Response Retrieval

Seongbo Jang, Seonghyeon Lee, Dongha Lee, and Hwanjo Yu

arXiv preprint, Jun 2025

Exploring Language Model's Code Generation Ability with Auxiliary Functions

Seonghyeon Lee, Sanghwan Jang, Seongbo Jang, Dongha Lee, and Hwanjo Yu

NAACL 2024 Findings

KoDialogBench: Evaluating Conversational Understanding of Language Models with Korean Dialogue Benchmark

Seongbo Jang*, Seonghyeon Lee*, and Hwanjo Yu

LREC-COLING 2024

Toward Interpretable Semantic Textual Similarity via Optimal Transport-based Contrastive Sentence Learning

Seonghyeon Lee, Dongha Lee, Seongbo Jang, and Hwanjo Yu

ACL 2022

KLUE: Korean Language Understanding Evaluation

Sungjoon Park*, Jihyung Moon*, Sungdong Kim*, Won Ik Cho*, ..., Seongbo Jang, ..., Alice Oh**, Jung-Woo Ha**, and Kyunghyun Cho** (31 authors)

NeurIPS Datasets and Benchmarks 2021

An Empirical Study of Tokenization Strategies for Various Korean NLP Tasks

Kyubyong Park*, Joohong Lee*, Seongbo Jang*, and Dawoon Jung*

AACL-IJCNLP 2020

Input initialization for inversion of neural networks using k-nearest neighbor approach

Seongbo Jang, Ye-Eun Jang, Young-Jin Kim, and Hwanjo Yu

Information Sciences, May 2020

TEACHING

Teaching Assistant at POSTECH

Fall 2018

Programming & Problem Solving (CSED101)

Teaching Assistant at POSTECH

Spring 2018

Computer Architecture (CSED311)

HONORS AND AWARDS

3rd Place, Poster Award

Jun 2022

Presented as co-author at POSTECH X NAVER AI DAY

ACADEMIC SERVICE

Invited Reviewer

Dec 2024 – Present

ACL Rolling Review