

Jihyoung Jang

807A, 106 Engineering Bldg.3, Ulsan National Institute of Science and Technology, UNIST-gil 50, Ulsan, Republic of Korea

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RESEARCH INTEREST

Natural Language Processing, Multimodal Learning, Conversation Model, Embodied Agent

EDUCATION

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|---|--|
| Ulsan National Institute of Science and Technology (UNIST) Ph.D. in Artificial Intelligence | Ulsan, South Korea Feb 2023 - Present |
| Handong Global University (HGU) B.S. in Artificial Intelligence, Computer Science and Engineering | Pohang, South Korea Feb 2019 – Feb 2023 |

PUBLICATION

1. **Jihyoung Jang**, Taeyoung Kim, Hyounghun Kim, “*Mixed-Session Conversation with Egocentric Memory*,” Findings of the 2024 Conference on Empirical Methods in Natural Language Processing (EMNLP 2024 Findings) [to appear]
2. **Jihyoung Jang**, Minseong Boo, Hyounghun Kim, “*Conversation Chronicles: Towards Diverse Temporal and Relational Dynamics in Multi-Session Conversations*,” Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP 2023 Main) [[Paper](#)] [[Project Page](#)]
3. **Jihyoung Jang**, Hoyoon Choi, Gun-woo Lee, Myung-seok Choi, Charmgil Hong, “*An Automated Production System Design for Natural Language Processing Models Using Korean Pre-trained Model*,” Proceedings of the 34th Annual Conference on Human and Cognitive Language Technology, pp. 613-618, 2022.
4. **Jihyoung Jang**, Charmgil Hong, “*Automated Topic Classification of the News Articles on North Korea and Korean Unification*,” Korea Computer Congress 2022, pp. 2126-2128, 2022.

RESEARCH EXPERIENCE

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|---|---------------------|
| Language & Intelligence Lab Graduate Student, Lab Representative Advisor: <i>Hyounghun Kim</i> | Jan 2023 – Present |
| Handong Artificial Intelligence Lab Research Assistant Advisor: <i>Charmgil Hong</i> | Sep 2019 – Dec 2022 |
| REPROD, Funded by KISTI Developed MLOps and AutoML solutions for Korean pre-trained models | May 2022 – Dec 2022 |

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| Korea Unification Bigdata Center, <i>Funded by Ministry of Unification</i> | Nov 2020 – July 2022 |
| Developed an advanced search engine for documents related to Korean unification and North Korea | |
| Pancreatic Cancer Risk Project, <i>Funded by HERINGS</i> | Mar 2020 – June 2020 |
| Participated in developing web interface for inferring a model predicting pancreatic cancer risk | |
| Data Mining Team, <i>Funded by ETRI</i> | Sep 2019 – Nov 2019 |
| Crawled data for machine learning model training | |

TEACHING EXPERIENCE

Teaching Assistant

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| Artificial Intelligence | Fall 2024, Fall 2023 |
| Professor: <i>Hyoungghun Kim (UNIST CS)</i> | |
| Principles of Deep Learning | Spring 2023 |
| Professor: <i>Hyoungghun Kim (UNIST AIGS)</i> | |
| Database System | Spring 2022 |
| Professor: <i>Charmgil Hong (HGU CSEE)</i> | |
| C Programming Laboratories | Fall 2020 |
| Professor: <i>Charmgil Hong (HGU CSEE)</i> | |

OTHER EXPERIENCE

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| AI Novatus Academia Program Assistant (UNIST) | May 2023 – Sep 2024 |
| Project-based learning for industrial engineers | |
| Freshmen Mentor (HGU) | Feb 2020 – Dec 2020 |
| Vice Director, Student Government (HGU) | Aug 2019 – Dec 2020 |

HONORS & AWARDS

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| Best Poster Award, 2024 UNIST AI Technology Open Workshop | Sep 2024 |
| Research Project Contest (prize \$4,000), UNIST | Apr 2023 |
| Best Undergraduate Student Paper Award, KIISE | July 2022 |
| Achievement Award, Handong Global University | Jan 2021 |

SKILLS

Programming Language: Python, C/C++, Java, R, SQL
Library: PyTorch, TensorFlow, Hugging Face
Other: Linux, Docker, Kubernetes, Elasticsearch, MongoDB, Flask

REFERENCES

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|---|---|
| Hyoungghun Kim <i>h.kim@unist.ac.kr</i> | Assistant Professor, UNIST AIGS |
| Chramgil Hong <i>charmgil@hanodng.edu</i> | Assistant Professor, Handong Global University CSEE |