

# JIYOUNG LEE

🌐 <https://github.com/jiyounglee-0523> 🌐 <https://jiyounglee-0523.github.io> ✉ [jiyounglee0523@kaist.ac.kr](mailto:jiyounglee0523@kaist.ac.kr)

## EDUCATION

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### Ph.D in Artificial Intelligence

Sep 2022 - Present

Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea

Advisor: Prof. Edward Choi

### M.Sc. in Artificial Intelligence

Sep 2020 - Aug 2022

Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea

Advisor: Prof. Edward Choi

### B.Sc. in Statistics

March 2016 - Aug 2020

Sookmyung Women's University, Seoul, South Korea

GPA: 4.08 / 4.3 (Ranked 1st in the Department of Statistics)

## WORK EXPERIENCE

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### Machine Translation Research Intern

Feb 2022 - Aug 2022

Naver Corporation - Papago Team

Specializing Multi-domain NMT via Penalizing Low Mutual Information (EMNLP 2022)

## PROFESSIONAL SERVICE

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### Advisory Committee Member

Sep 2023 - Feb 2024

SelectStar - LLM Dataset Construction

## PUBLICATIONS

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### Conference Proceedings

- **Jiyoung Lee**, Minwoo Kim, Seungho Kim, Junghwan Kim, Seunghyun Won, Hwaran Lee, and Edward Choi. KorNAT: LLM Alignment Benchmark for Korean Social Values and Common Knowledge. In *Findings in Association for Computational Linguistics (ACL) 2024*
- **Jiyoung Lee**, Seungho Kim, Seunghyun Won, Joonseok Lee, Marzyeh Ghassemi, James Thorne, Jaeseok Choi, O-Kil Kwon, and Edward Choi. VisAlign: Dataset for Measuring the Degree of Alignment between AI and Humans in Visual Perception. In *Proc. of Neural Information Processing Systems (NeurIPS) 2023 Datasets and Benchmarks*
- Woncheol Shin, Gyubok Lee, **Jiyoung Lee**, Eunyi Lyoo, Joonseok Lee, and Edward Choi. Translation-equivariant Image Quantizer for Bi-directional Image-Text Generation. In *Proc. of International Conference on Acoustics, Speech, and Signal Processing (ICASSP) 2023, (Oral Presentation)*
- **Jiyoung Lee**, Hantae Kim, Hyunchang Cho, Edward Choi, and Cheonbok Park. Specializing Multi-domain NMT via Penalizing Low Mutual Information. In *Proc. of Conference on Empirical Methods in Natural Language Processing (EMNLP) 2022*
- Kyunghoon Hur\*, **Jiyoung Lee\***, Jungwoo Oh, Wesley Price, Young-Hak Kim, and Edward Choi. Unifying Heterogenous Electronic Health Records Systems via Text-Based Code Embedding. In *Proc. of Conference on Health, Inference, and Learning (CHIL) 2022*

### Workshops, Preprints, and Domestic Conferences

- Radhika Dua, **Jiyoung Lee**, Joon-myung Kwon, and Edward Choi. Automatic Detection of Noisy Electrocardiogram Signals without Explicit Noise Labels. In *International Workshop on Pattern Recognition in Healthcare Analytics (PRHA) 2022*
- **Jiyoung Lee**, Wonjae Kim, Daehoon Gwak, and Edward Choi. Conditional Generation of Periodic Signals with Fourier-Based Decoder. In *Deep Generative Models and Downstream Applications Workshop at NeurIPS 2021*

## TECHNICAL SKILLS

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<b>Program Language</b>	Python
<b>Packages</b>	Pandas, Numpy, NLTK, Pytorch, HuggingFace, PyTorchLightning
<b>Language</b>	Korean (Native), English (Fluent)

## EXPERIENCES

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<b>Teaching Assistant</b>	AI504: Programming for AI, KAIST, <i>2023 Fall</i> AI612: Machine Learning for Healthcare, KAIST, <i>2023 Spring</i> AI504: Programming for AI, KAIST, <i>2021 Fall</i> AI612: Machine Learning for Healthcare, KAIST, <i>2021 Spring</i> AI504: Programming for AI, KAIST, <i>2020 Fall</i>
<b>Academic Service</b>	ACCV 2022 Reviewer

## AWARDS & SCHOLARSHIPS

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NeurIPS 2023 Travel Award  
Google Conference Scholarship 2022  
National Science & Technology Scholarship (2018 - 2020)