

JIYOUNG LEE

🌐 <https://github.com/jiyounglee-0523> 🌐 <https://jiyounglee-0523.github.io> ✉ 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

-
- 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

-
- Advisory Committee Member** Sep 2023 - Feb 2024
SelectStar - LLM Dataset Construction

PUBLICATIONS

Conference Proceedings

- **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

- **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. *arXiv:2402.13605*
- 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

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

EXPERIENCES

Teaching Assistant	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>
Academic Service	ACCV 2022 Reviewer

AWARDS & SCHOLARSHIPS

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