# JIYOUNG LEE

https://github.com/jiyounglee-0523 https://jiyounglee-0523.github.io jiyounglee0523@kaist.ac.kr

## EDUCATION

**Ph.D in Artifical Intelligence** *Sep 2022 - Present*
*Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea*
Advisor: Prof. Edward Choi

**M.Sc. in Artifical 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 - Present*
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 Lyou, 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

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

## EXPERIENCES

| | |
|---|---|
| **Teaching Assistant** | AI612: Machine Learning for Healthcare, KAIST, *2023 Spring* |
| | AI504: Programming for AI, KAIST, *2021 Fall* |
| | AI612: Machine Learning for Healthcare, KAIST, *2021 Spring* |
| | AI504: Programming for AI, KAIST, *2020 Fall* |
| **Academic Service** | ACCV 2022 Reviewer |

## AWARDS & SCHOLARSHIPS

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