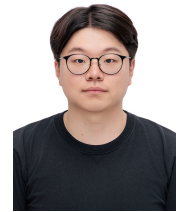


Hyukhun Koh, M.S.

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🌐 <https://hyukhunkoh-ai.github.io/>



Education

- 2022 – 2024 **M.S. Interdisciplinary Program in Artificial Intelligence** in Seoul National University
Thesis title: *Intent Induction and Toxicity Mitigation for Reliable LM Agent*.
- 2014 – 2022 **B.S. in Artificial Intelligence & European Languages and Cultures** in Sogang University.
Cumulative GPA: 4.1/4.5

Research Publications



Conference Proceedings

- VLind-Bench: Measuring Language Priors in Large Vision-Language Models
Kang-il Lee, Minbeom Kim, Seunghyun Yoon, Minsung Kim, Dongryeol Lee, **Hyukhun Koh**, and Kyomin Jung (Arxiv. preprint submitted to 2024 NeurIPS)
- PLM-Based Discrete Diffusion Language Models with Entropy-Adaptive Gibbs Sampling
Hyukhun Koh^{*}, Minha Jhang^{*}, Dohyung Kim, Sangmook Lee, and Kyomin Jung (Openreview. preprint submitted to 2024 EMNLP)
- Can LLMs Recognize Toxicity? A Structured Investigation Framework and Toxicity Metric
Hyukhun Koh, Dohyung Kim, Minwoo Lee, and Kyomin Jung (Arxiv. submitted to 2024 EMNLP)
- Fine-grained Gender Control in Machine Translation with Large Language Models
Minwoo Lee, **Hyukhun Koh**, Minsung Kim, and Kyomin Jung (2024 NAACL Main)
- Diversifying prosodic features of speech via determinantal point processes
Seongho Joo, **Hyukhun Koh**, and Kyomin Jung (2023 EMNLP Main)
- Target-Agnostic Gender-Aware Contrastive Learning for Mitigating Bias in Multilingual Machine Translation
Minwoo Lee, **Hyukhun Koh**, Kang-il Lee, Dongdong Zhang, Minsung Kim, and Kyomin Jung (2023 EMNLP Main)
- Reflecting dialogue and pretrained information into Multi Modal Emotion Recognition: Focusing on Text and Audio
Hyukhun Koh, Seongho Joo, and Kyomin Jung (2023 KCC)









Workshops

- Multi-View Zero-Shot Open Intent Induction from Dialogues: Multi Domain Batch and Proxy Gradient Transfer
Hyukhun Koh, Haesung Pyun, Nakyeong Yang, and Kyomin Jung (2023 SIGDial Workshop on The Eleventh Dialog System Technology Challenge (DSTC11))

Skills

- Languages  English, French, Korean.
Coding  Python, R, SQL/REDIS, HTML/JS, C, Docker, Kubernetes

Projects

- 2023  Dealing with all sensitive attributes: safe response generation
- 2022  Medical-expert chatbot system
-  Adapting object detection techniques for beat tracking in musical audio
- 2021  Lecture to lecture note: Automatically generating educational writing materials
-  Analysis of the cultural difference between Asia and America in terms of gender-related words
-  Public transportation distribution analysis and improvement plan derivation (2021)
- 2020  Glass recommendation system: We know what Glasses are good for you Image-to-Image generation using cycle GAN (2020)
-  Developing QA system for medical prescription with Transformer (2020)