Jeongyeon Hwang

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Research Interest

I'm an integrated M.S./Ph.D. student at POSTECH. My research focuses on making ML/NLP frameworks more reliable in real-world scenarios. I work on large language models (LLMs) and retrieval-augmented generation (RAG), addressing data-borne threats such as malicious inputs, corrupted training data, and LLM misuse (e.g., fake content or cheating). Recently, I have been especially interested in LLM watermarking for detecting LLM-generated content.

Education

- **POSTECH** — South Korea
  Integrated M.S/Ph.D Student in Artificial Intelligence — *2023-Present*
- **Sungkyunkwan University** — South Korea
  B.S. in Mathematics — *2017-2023*

Experiences

- **Military Service** — South Korea
  Korean Augmentation to the U.S. Army (KATUSA), 188th Military Police Company — *2019-2021*

Publications

- **Efficient Latent Semantic Clustering for Scaling Test-Time Computation of LLMs** :
  Sungjae Lee, Hoyoung Kim, **Jeongyeon Hwang**, Eunhyeok Park, Jungseul Ok,
  EMNLP, 2025 Findings (long)
- **Retrieval-Augmented Generation with Estimation of Source Reliability**:
  Jeongyeon Hwang, Junyoung Park, Hyejin Park, Sangdon Park, Jungseul Ok,
  EMNLP, 2025 Main (long)
- **MedBN: Robust Test-Time Adaptation Against Malicious Test Samples**:
  Hyejin Park*, **Jeongyeon Hwang***, Sunung Mun, Sangdon Park, Jungseul Ok,
  Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2024.
- **Addressing Feature Imbalance in Sound Source Separation**:
  Jaechang Kim, **Jeongyeon Hwang**, Soheun Yi, Jaewoong Cho, Jungseul Ok,
  arXiv 2023