Eunchan Lee

MS Student
Kyungpook National University
Daegu 41566, South Korea
purang2@knu.ac.kr
+82) 01039480530
https://github.com/purang2

RESEARCH INTERESTS

- Natural Language Processing
- Large Language Modeling
- Korean NLP
- Prompt-based Learning
- Natural language summarization

PUBLICATIONS (SCIE/ESCI)

1. **Eunchan Lee**, Changhyeon Lee, Sangtae Ahn, "Comparative Study of Multiclass Text Classification in Research Proposals Using Pretrained Language Models", *APPLIED SCIENCES* (2022)

CONFERENCES

1. Eunchan Lee, Sangtae Ahn, "Image Generation from Korean Dialogue Text via Prompt-based Few-shot Learning", The 34th Annual Conference on Human & Cognitive Language Technology (HCLT'22), GyeongJu, Korea (Oct. 2022) - Oral

2. Eunchan Lee, Sangtae Ahn, "Prompt-based In-Context Learning for Korean Question Answering", Korean Artificial Intelligence Association Summer Conference 2022(KAIA'2022), Jeju Island, Korea (Aug. 2022) - Poster

3. Bugwang Choe, Eunchan Lee, Sangtae Ahn, "Generating Literature-Style Sentences based on Summarized Text", The 34th Annual Conference on Human & Cognitive Language Technology (HCLT'22), GyeongJu, Korea (Oct. 2022) - Oral

4. Eunwoo Go, Eunchan Lee, Sangtae Ahn, "Improving Performance of Sentiment Classification using Korean Style Transfer based Data Augmentation ", The 34th Annual Conference on Human & Cognitive Language Technology (HCLT'22), GyeongJu, Korea (Oct. 2022) - Poster

5. Seunghoon Lee, Dongyeop Lee, Eunchan Lee, Sangtae Ahn, "Story to Art Generation using Fine-tuned Stable Diffusion", Korean Artificial Intelligence Association Autumn Conference (KAIA'2022), Seoul, Korea (Nov. 2022) - Poster

RESEARCH EXPERIENCES

- Research Student at SKT AI Fellowship, SK Telecom, Korea (May. 2022 ~ Nov. 2022) /

Development multi-modal AI Application technoology, as NLP Engineer

- Local Volunteer (As Researcher) at The 29th International Conference On Computational Linguistics (COLING 2022), Korea (Oct. 2022 ~ Oct. 2022) / Staff member for workshops, tutorials, session, and some special events

AWARDS AND HONORS

- The 4th SKT AI Fellowship, Encouraged Prize, SK Telecom, Korea (Nov. 2022)

- The 4th Korean Emotion Recognition International Challenge, 2022 (KERC2022), Bronze Prize, Chonnam National Univeisity , Korea (Nov. 2022)

- Qiskit Hackathon Korea 2021 : Community Choice Award Winner as [Project: Quantum-Neural-Network] , IBM Qiskit-Korea, Korea (Feb. 2021)

- 2020 Daegu&Gyeongbuk Undergrauate AI Programming Competition, Encouraged Prize, Kyungpook National University, Korea (Oct. 2020)

- 2019 Daegu&Gyeongbuk Undergrauate SW Programming Competition, Encouraged Prize, Kyungpook National University, Korea (May. 2019)

PROJECTS

- New Development Project of KNU Information & Research Center Official Website, Kyungpook National University, Global Plaza IR Center, Korea / Database Analysis & Web visualization & Implementing some useful Applications (May. 2020 ~ Aug. 2020)

- Multi-modal AI Application technology development on the 4th SKT AI Fellowship, SK Telecom, Korea / research and develop multi-modal AI Application technoology, as NLP Engineer (May. 2022 ~ Nov. 2022)

- Korean NLP: A Comparative Study for BERT-based Language Models, Kyungpook National University Brain AI Lab, Korea / Main Research & Develop (Jun. 2021 ~ Mar. 2022)

SKILLS AND TECHNIQUES

Programming: C, C++, Java, Python, Javascript, (HTML,CSS), SQL, Embedded-system Programming, OpenSource Programming, Linux

Computer Sciences: Data structure, Operating System, Computer Architecture, Algorithms, Data Sciences, Deep Learning, Machine Learning, NLP, CV

Machine Learning and Deep Learning: PyTorch, TensorFlow, Keras, Numpy, Pandas, Scikit-learn, Huggingface

EDUCATION

Mar. 2021 ~ Present	**Kyungpook National University** School of Electronics Engineering	Daegu, Korea
	Thesis: Prompt-based Few-shot Learning for Korean Natural Language Processing *Advisor: Sangtae Ahn*	
	Master Student	

| Mar. 2015 ~
Feb. 2021 | **Kyungpook National University**
School of Electronics Engineering | Daegu,
Korea |

B.S. in Electronics Engineering