

# Eunchan Lee

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

## RESEARCH INTERESTS

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- Natural Language Processing
- Text generation
- Multi-modal AI (NLP + CV/@)
- Summarization
- Conversation AI

## PUBLICATIONS (SCIE/ESCI)

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

## CONFERENCES

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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

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

Development multi-modal AI Application technology, 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

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- 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 University, 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 Undergraduate AI Programming Competition, Encouraged Prize, Kyungpook National University, Korea (Oct. 2020)
- 2019 Daegu&Gyeongbuk Undergraduate SW Programming Competition, Encouraged Prize, Kyungpook National University, Korea (May. 2019)

## PROJECTS

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- 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 technology, as NLP Engineer (May. 2022 ~ Nov. 2022)

## SKILLS AND TECHNIQUES

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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

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

Mar. 2015 ~  
Feb. 2021

**Kyungpook National University**  
School of Electronics Engineering  
*B.S. in Electronics Engineering*

Daegu,  
Korea