

# Eunchan Lee

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<https://github.com/purang2>

## RESEARCH INTERESTS

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- Natural language processing
- Natural language generation

## 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 Intern at The 4th SKT AI Fellowship, SK Telecom, Korea (May. 2022 ~ Nov. 2022) / Development multi-modal AI applications, as NLP Engineer
- STUDENT VOLUNTEER PROGRAM 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 (KEREC2022), 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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- University Data Analysis Website Construction Project, Kyungpook National University Information & Research center, Korea / Student Researcher & Programmer (Institute Labor Scholarship) (May. 2020 ~ Aug. 2020)
- Vision-Language AI Research (SKT AI Fellowship), SK Telecom, Korea / Diffusion-based AI model for Story-to-Art Generation for Korean Children. (May. 2022 ~ Nov. 2022)

## SKILLS AND TECHNIQUES

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

**Artificial Intelligence Tool:** *PyTorch, TensorFlow, Transformers*

## 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	<b>Kyungpook National University</b> School of Electronics Engineering	Daegu, Korea
	<i>B.S. in Electronics Engineering</i>	