

# DongGeon Lee

M.S. student at POSTECH  
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## RESEARCH INTERESTS

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Natural language processing, Data-centric AI, In-context learning in Large language models,  
Evaluation of language models, Retrieval-Augmented Generation for Large language models

## EDUCATIONS

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**M.S. student in Artificial Intelligence** February 2024 - February 2026  
*POSTECH (Pohang University of Science and Technology)* Pohang, South Korea

- Advisor: Prof. Hwanjo Yu

**B.S. in Information and Communication Engineering** March 2018 - February 2024  
*Inha University* Incheon, South Korea

- Received Awards & Scholarships: *Research Scholarship for Undergraduate Researcher, Top Engineering Student Award*

## RESEARCH EXPERIENCES

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**Research Assistant** January 2024 - Present  
*Data Intelligence Laboratory, POSTECH* Pohang, South Korea

- Advisor: Prof. Hwanjo Yu

**Research Assistant** November 2022 - November 2023  
*Data Intelligence Laboratory, Inha University* Incheon, South Korea

- Advisor: Prof. Wonik Choi

**Research Assistant** August 2021 - June 2023  
*Nursing Informatics Laboratory, Inha University* Incheon, South Korea

- Advisor: Prof. Insook Cho

## CONFERENCES

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- [1] Insook Cho, EunJu Lee, and **DongGeon Lee**. Effects of Language Differences on Inpatient Fall Detection Using Deep Learning. *Proceedings of the 19th World Congress on Medical and Health Informatics*, 2024.
- [2] **DongGeon Lee**, EunJu Lee, and Insook Cho. Bridging the Reporting Gap of Inpatient Falls to Improve Safety Practices Using Deep-Learning-Based Language Models and Multisite Data. *AMIA 2023 Clinical Informatics Conference*, 2023.
- [3] Changhun Koo\*, Yoonjoo Jung\*, and **DongGeon Lee\***. Through deep learning-based video processing, Design and implementation of Smart Port Parking Information System. In *Proceedings of the Annual Conference of KIPS 2021*, 2021. (\*: Co-First Author)

## PROJECTS

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**Contribution to Transformers & LightEval Libraries**      November 2023 - February 2024  
*Hugging Face*      *Open-source Contribution*

- Improved PyTorch usage examples in Hugging Face **Transformers** for better readability
- Fixed typos in the main document of Hugging Face **LightEval**

**Big Data Technology for Aviation Safety Management**      March 2023 - November 2023  
*Data Intelligence Laboratory, Inha University*      *Incheon, South Korea*

- Development of a domain-specific language model for identification of causal factors in aviation safety reports

**FallSafe: Reducing Falls with Clinical Data**      January 2022 - June 2023  
*Nursing Informatics Laboratory, Inha University*      *Incheon, South Korea*

- Development of fall report detection models using BERT-based models
- Development of named entity recognition models for the automatic case reports generation

## PATENT

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- [1] System for providing parking information and control method. *KR-Application No. 10-2021-0178090*, South Korea, December 2021.

## TEACHING EXPERIENCES

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**Lecturer**      March 2024 - May 2024  
*KIRO (Korea Institute of Robotics and Technology Convergence)*      *Pohang, South Korea*

- Python Programming and Algorithms

**Teaching Assistant**      March 2023 - December 2023  
*Inha University*      *Incheon, South Korea*

- ICE2004: Data Structure (Fall 2023)
- ICE4016: Database Capstone Design (Fall 2023)
- ICE1005: Introduction to AI Programming (Spring 2023)
- ICE3020: Algorithm Capstone Design (Spring 2023)

**Lecturer**      October 2021 - May 2023  
*Jamcoding, Co., LTD*      *Seoul, South Korea*

- Data Analysis and Visualization
- Programming and Algorithms - Python & C

## TECHNICAL SKILLS

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- **Programming Languages:** Python, C++, C, Shell Script, JavaScript
- **Frameworks and Libraries:** PyTorch, Keras, TensorFlow, OpenCV
- **Systems and Tools:** Git, Linux, MySQL, L<sup>A</sup>T<sub>E</sub>X