Dong-Geon Lee

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EDUCATION

Mar. 2018 ~ Present | **Inha University** | Incheon, Korea
Department of Information and Communication Engineering

Bachelor Student
GPA: 3.64 / 4.5

RESEARCH EXPERIENCES

- Research Assistant at Medical Informatics Labotory, College of Medicine (Advisor : Insook Cho), Inha University, Korea (Aug. 2021 ~ Present) / Development of Deep Learning based Language Model and Analysis of Medical Data

SKILLS AND TECHNIQUES

- Programming Languages
  - Python / C, C++ / JavaScript
- Python Frameworks for Deep Learning
  - Keras / TensorFlow / PyTorch
- Python Libraries for Data Analysis
  - KoNLPy / pandas / matplotlib / scikit-learn / gensim
- Etc.
  - Git / Linux, Raspberry Pi / AWS, Google Cloud

RESEARCH INTERESTS

- Machine learning
- Natural language processing
- Data analysis
- Data mining
- Data visualization

PROJECTS

- 임상 빅데이터와 행동경제학 이론을 적용한 다면적 낙상예방 중재 개발과 다기관 효과 탐색 (NRF-2019R1A2C2007583), Ministry of Science and ICT, Korea / Development of Deep Learning-Based Language Model and Network Analysis Using Medical Data (Jan. 2022 ~ Present)
- CDM 기반의 지능형 진료 가이드 알고리즘 개발과 확산을 위한 CDSS 플랫폼 개발, Ministry of Trade, Industry and Energy, Korea / Analyze and Visualize Medical Data using Topic-Modeling (Aug. 2021 ~ Dec. 2021)
- 스마트 항만 교통관제 시스템 (사람-항만-선박-컨테이너), Ministry of Oceans and Fisheries, Korea / Development of real-time parking lot status application using Real-Time Object Detection (Apr. 2021 ~ Nov. 2021)

CONFERENCES

1. Changhun Koo, Yoonjoo Jung, **Dong-geon Lee**, "Through deep learning-based video processing, Design and implementation of Smart Port Parking Information System", Annual Conference of KIPS 2021, Yeosu, Korea (Nov. 2021) - Conference paper

CERTIFICATION AND LICENSE

- "Fundamentals of Deep Learning", NVIDIA Deep Learning Institute
  - Issued Aug 2022
  - Credential ID 825e75c11f3541fa9c196832ffa1db8d
- "Building Transformer-Based Natural Language Processing Applications", NVIDIA Deep Learning Institute
  - Issued Aug 2022
  - Credential ID 3635de0b089446bb8e95c101b05518e4

TEACHING AND ADVISING EXPERIENCES

- Part-time Computer Teacher at Jamcoding, Seoul, Korea (Oct. 2021 ~ Present)
  - Teaching programming classes (Data Analysis, Python·C Algorithms, etc)
  - Management and Counseling for students and parents