NOKYUNG PARK

github.com/noparkee

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EDUCATION

Korea University   Seoul, South Korea
Bachelor in Computer Science and Engineering   Mar 2018 - Feb 2022
Major GPA: 4.33 / 4.5, Cummlative GPA: 4.22 / 4.5

Korea university Seoul, South Korea   Seoul, South Korea
Master student in Computer Science and Engineering   Mar 2022 -
Advisor: Prof. Jinkyu Kim

RESEARCH EXPERIENCE

Vision and AI Lab, Korea University   Mar 2022 -
- Master Student (*Advisior: Prof. Jinkyu Kim*)
- Researching on Behavior/Trajectory prediction with Domain Generalization

Vision and AI Lab, Korea University   Jul 2021 - Feb 2022
- Undergraduate Researcher (*Advisior: Prof. Jinkyu Kim*)
- Participating the paper *Grounding Visual Representations with Texts for Domain Generalization*
- Making robust classification regardless of domains with text.

TECHNICAL SKILLS

Programming Language: Python, C, JAVA
Tools: PyTorch, TensorFlow

INTEREST FIELDS

- eXplainable Artificial Intelligence
- Domain Generalization
- Behavior/Trajectory Prediction

PROJECTS

Behavior Prediction with Domain Generalization   Jan 2022 -
- Currently in progress.
- Looking for losses or modules that make robust predictions regardless of the domain such as city, etc.

Domain Generalization with Well-defined Pair   Apr 2022 - Jun 2022
- A project conducted in the pattern recognition course (AAA619)
- Modifying the dataloader to apply contrastive loss to the well-defined pair
- By simple modification of data loader and applying contrastive loss, can achieve good performance as MixUp and DANN without without additional complex networks.

Grounding Visual Representations with Texts for Domain Generalization   Aug 2021 - Nov 2022
- Awaiting decision status. (ECCV2022)
- Domain generalization with text
- Align image features and text features.
- Participating in this paper as the second author.

Speech Emotion Recognition with Text Features   Sep 2021 - Nov 2021
- A project conducted in the university's natural language processing class (COSE461).
- About the importance of text information in the field of Speech Emotion Recognition.

- Through this project, I concluded that text information is of great help to Speech Emotion Recognition.
- github: noparkee/Natural-Language-Process-Team-Project

Currency Recognition Service for the Blind   Sep 2021 - Nov 2021
- A project conducted in the university's capstone design class (COSE489).
- Designing a model used in the app that tells the blind how much money it is when they show bills or coins with their cell phone cameras. I made a model for the app and used TFLite.
- github: noparkee/Capstone-Design

Smart Campus (COVID-19 Dashboard)   Jun 2021 - Nov 2021
- Making the dash board contents related to COVID-19.
- Defining an equation for the risk of local districts was calculated through congestion or public transportation traffic.
- Defining an equation for the individual's risk of covid-19, using the route of movement, activity content, and the surrounding covid-19 situation.

AWARD

- Scholarship for Outstanding Performance in the Second Semester of 2021