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, Shell Script
Tools: PyTorch, TensorFlow, Linux

INTEREST FIELDS

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

PROJECTS

Behavior Prediction with Domain Generalization Jan 2022 -
- Currently in progress.
- Looking for methods 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.

Recolorization for Color Vision Deficiency Apr 2022 - Jun 2022
- A project conducted in the Moonshot project course (AAA744)
- Designing filters for CVD to distinguish colors well.

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

Speech Emotion Recognition with Text Features   Sep 2021 - Nov 2021
- A project conducted in the Natural Language Processing course (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 Capstone Design course (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