NOKYUNG PARK

 github.com/noparkee

 noparkee@korea.ac.kr

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 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 model 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

PUBLICATION

Grounding Visual Representations with Texts for Domain Generalization   *ECCV 2022*
Seonwoo Min, **Nokyung Park**, Siwon Kim, Seunghyun Park, Jinkyu Kim

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 additional complex networks.

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

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.
- 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)
- Designed 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.
- github: noparkee/Capstone-Design

Smart Campus (COVID-19 Dashboard)   Jun 2021 - Nov 2021
- Made the dash board contents related to COVID-19.
- Defined an equation for the risk of local districts was calculated through congestion or public transportation traffic.
- Defined 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

- Scholarship for Outstanding Performance   2020
- Excellence Award (Capstone-Design)   2021