Sang-oh Kim

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Research Interests

· Multimodal Learning, Efficient Learning/Inference, Graph Neural Networks

Education

B.S. COMPUTER SCIENCE
· Korea Advanced Institute of Science and Technology, Republic of Korea
· 2022.03 ~ present

Experience

UNDERGRADUATE RESEARCH INTERNSHIP
· Data Science and Artificial Intelligence Lab, KAIST (Prof. Chanyoung Park)
· 2024.06 ~ 2025.02
· Studied several papers about graph neural networks, graph adversarial attack, scene graph generation (visual scene understanding)
· Conducting research about enhancing compositional generalization on scene graph generation

SOFTWARE ENGINEER
· SPARCS (Development organization under KAIST undergraduate student council)
· 2022.03 ~ present
· Developed and released the mobile application of KAIST's official community, Ara.

Honors & Awards

제 1 회 한국천문연구원-카이스트 천문우주 AI 경진대회 카이스트 SW 교육센터장상 (2 위)
· 한국천문연구원에서 제공하는 태양 관측 이미지 데이터에서 흑점, 코로나 홀, 홍염의 위치를 감지하고 각각의 위치에 대한 레이블을 판별해야 하는 대회입니다.
· 2024.08
· Data augmentation 과 soft voting 등의 기법을 활용하여 YOLO 기반 object detection 을 진행하였습니다.

Skills & Abilities

· Implementing ML/DL models with Python (NumPy, PyTorch, Scikit-learn, Docker, Git)
· Analyzing data with Python (Matplotlib, Pandas)
· Mobile Development with Flutter (Flutter, Git)

- C/C++

Volunteer Experience

2023 KAIST JI YOUNG-SEOK VOLUNTEER SERVICE IN CAMBODIA
- Volunteered at Ewha Srang Primary School, TropeangThmor village, Srang Commune, Kongpisey District, KampongSpeu Province, CAMBODIA
- 2023.1.6 ~ 2023.1.16
- Duties included: Teaching Arduino with C language, improving school environment

Teaching Experience

TEACHING ASSISTANT (KAIST)
- CS101 Introduction to Programming (2024.09 ~ 2024.12)
- CS101 Introduction to Programming (2024.03 ~ 2024.06)

Language

- Korean, English (TOEIC 895)