Kyucheol Shin

alwmzl0127@gmail.com & sgc0907@naver.com
Tel: +82-10-4015-8834

EDUCATION

Kwangwoon University, Seoul, Korea   *Mar. 2018 - Feb. 2024 (Expected)*
College of Software and Convergence
Bachelor of Information Convergence (GPA: 4.34/4.5)
7 Semester Early graduation (Expected)

Relevant Coursework:
• Interactive AI (A+)   • Natural Language Processing (A0)
• Deep Learning Programing (A+)   • Artificial Intelligence application (A+)

RELEVANT EXPERIENCES

Explainable search engine research based on image generation models   *May. 2023 – Jun. 2023*
• Develop a model that takes text as input, generates images, and compares the generated images to other images to find similar images.
Role : Generative model fitting, Image similarity comparison model creation

Virtual Environment-based Road Situation Awareness: Object Detection with EfficientDet   *Jul. 2023 – Aug. 2023*
• An object detection model for autonomous vehicles was developed with EfficientDet D2 to achieve fast prediction speeds of less than 100ms and high accuracy.
Role : Data preprocessing, Object detection model fitting

Research on CVAE-based training data generation to improve accuracy of XGBoost models   *Aug. 2023 – Sep. 2023*
• Research on Performance Enhancement of an XGBoost Model Predicting Automotive Component Vibration Frequencies Through Data Augmentation with CVAE Due to Limited Data.
Role : Data preprocessing, Generative model fitting, GBDT model fitting, Compare performance etc.

RESEARCH INTERESTS

• Object Detection
• Generation Models
• Audio Denoising
• Audio Source Separation

AWARDS AND HONORS

Academic Scholarship (3rd), Kwangwoon University, Korea   *Sep. 2018*
Academic Scholarship (1st), Kwangwoon University, Korea   *Sep. 2019*
Academic Scholarship (5th), Kwangwoon University, Korea   *Sep. 2022*
Academic Scholarship (3rd), Kwangwoon University, Korea   *Mar. 2023*
Global Talent Track course (Japanese)   Aug. 2023