Joonyeob Kim

Machine Learning Engineer

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Github https://github.com/JoonYeob

SUMMARY

I am a junior machine learning engineer who is attending the master's course at Seoul National University. Big data analysis, computer vision, and visual modeling of various data are my areas of interest in the study. Specifically, I continuously learn the latest knowledge. I am participating in Physionet Challenge 2022, using Vision Transformer model, it ranked 6th and a first-author paper will be published.

SKILLS

- Python, Pytorch
- C++, Docker, Github, Linux
- Engineer Big Data Analysis(license)

EDUCATION

Seoul National University (Seoul, Republic of Korea) 2021 - 2023

Master’s degree, Department of Intelligence and Information

Seoul National University (Seoul, Republic of Korea) 2014 – 2021

Bachelor's degree, Department of Civil and Environmental Engineering

Bachelor's degree, Department of Electrical and Computer Engineering

EXPERIENCE

The George B. Moody PhysioNet Challenge 2022 Jan 2022 – Sep 2022

- Heart murmur detection and clinical outcome detection from Phonocardiogram Recordings
- Convert heart sound recordings to images which can analyze in Computer Vision
- Analyze and model medical data with a visual approach
- Preprint: https://cinc2022.ibrida.io/pitch/260/detail/2446

Big data analysis projects June 2021 - Aug 2022

Creation of social value of information through public data analysis: Big data analysis of consumer overseas transactions through the Korea Customs Service agreement

- Project Manager, EDA analysis of Korea Customs Service overseas direct purchase data
- Creating tutorial lectures and manuals so that non-CS majors can easily analyze big data

Naver Shopping project

- EDA analysis and LDA topic modeling using Naver Shopping's click and purchase data
- Data crawling for RFM modeling with de-identified data

Research Students & Interns in Networked Computing Lab Aug 2020 – Dec 2020

- Recognition Accuracy Enhancement for Unrecognized Images using Cached Inference in AR