Jaeung Lee

AI Researcher

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Education

University Dong-A, Computer Engineering   2021 – 2026
GPA: 3.97/4.5

Computer Science High School, Smart Software   2016 – 2019
GPA: 4.0/4.0

Work Experience

Media for Machine Lab, Computer Vision / Compression Researcher   2024 – 2025
- AI Closed Caption, Object Detection, Virtual Try On

Next Coding, Arduino Instructor   2020 – 2021
- 3D Modeling, Arduino based IoT

Projects

Virtual Shoes fitting Service   2024 – 2025
Role: Responsible for Virtual Try On model
Achievements: VITON series models provide highly accurate virtual try on for new shoes
Link: in progress

Real-time news app   2024 – 2024
Role: Responsible for React-native Back-end
Achievements: Retrieves news from various news media in real time and summarizes it to alleviate temporal and spatial constraints
Link: github repository

Programming Design Hub   2024 – 2024
Role: Web front-end & Code optimization
Achievements: When designing a program, anyone can easily design it with a simple syntax, and errors are pointed out with a semi-compiler
Link: github repository

Data augmentation method for camouflage object detection   2024 – 2024
Role: Dataset Collection & Image post processing
Achievements: Image post-processing to improve detection performance of yolo v7 model
Link: private github repository

Developement of Deep Learning based Closed Caption Extraction Technology 2024 − 2024

Role: STT Model analysis

Achievements: Analyze existing models and improve performance through normalization for better accuracy

Link: private github repository

Hobby recommendation service 2023 − 2023

Role: Web front-end & Location-based services provide

Achievements: Analyze the user's hobbies, recommend new ones, and suggest places to enjoy them based on their location

Link: github repository

Personal Asset Management 2021 − 2021

Role: Data analysis

Achievements: Depending on the individual's assets, it recommends good products or promising investment products based on big data

Link: private github repository

Mask Face Detection and Automatic Gate 2021 − 2021

Role: Multi masked-face detection & Jetson nano control

Achievements: Developed an automatic door to prevent coronavirus spread by detecting masks and measuring body temperature with EO and thermal cameras

Link: private github repository

Smart Health Care Service with wearable device 2021 − 2021

Role: Pose estimation to ML & Make wearable device

Achievements: Using the pose estimation model, you can correct your exercise posture through your phone camera and monitor your condition with wearable devices.

Link: private github repository

Paper

Development of pre-recorded video subtitle extraction technology 2024
Korea Multimedia Society Autumn Conference

Skill

Programming: Python, Java, C, Javascript, HTML5, CSS3
Tools: Git, Docker, TensorFlow, PyTorch
Languages: Korean (Native), English (Fluent)
Area of Interest: Computer Vision & Audio Compression

Achievement

Capston - Bronze Award 2024.11.12
Intel AI Global Impact Festival - AI Enthusiasts Country/Region Winners 2021.09.10
Capston - Gold Award 2020.10.04

Appendix - In progress

Project results: To be continue

To be continue..