subin Cho

AI Researcher

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Education

Dong-A University, Undergraduate in Computer Science and Engineering 2022.03 – 2026.02
GPA: 3.7/4.5

Work Experience

Media For Machine Laboratory, Undergraduate Researcher 2024.01 –
- Studied about Deep Learning and Computer Vision.
- Experiments such as computer vision-based audio and Generative AI, etc

Projects

2024 RIS Regional Issue Capstone Design 2024.10 –
- Role: Main Researcher
- Developed 3D modeling technology for shoe sketches for digital fashion.
- Tools and technologies used: A100, python, opencv-python
- Link: project-link.com

Generative AI-based concealed soldier detection technology development 2024.08 – 2024.02
- Role: Researcher
- Using YOLO, an object detection technology,
we have developed a technology to explore concealed soldiers.
- Achievements: ETRI and Ministry of National Defense Tasks Submits Papers
to 2024 KIBME Summer Annual Conference.
- Tools and technologies used: RTX4090, python, pandas, seaborn, torch, opencv-python
- Link: second-project-link.com

AICC: Deep learning-based subtitle extraction technology development 2024.04 – 2024.11
- Role: Researcher
- Developed deep learning-based subtitle extraction technology through Whisper, an openAI technology.
- Tools and technologies used: RTX4070, python, openai-whisper, tiktoken, torch
- Link: second-project-link.com

R&D Project: Facial Analysis and Avatar Creation with Nvidia Jetson 2023.12 – 2024.02
- Role: Researcher
- I participated on R&D Project for 3D face reconstruction using Blender and StyleGan.
- Tools and technologies used: Blender, python
- Link: second-project-link.com

3D Avatar 2023.09 – 2023.12
- Role: Researcher
- Developed a technology to map the texture of the image to the 3D mesh.
- Tools and technologies used: RTX3090, Blender, python, torch, imageio
- Link: second-project-link.com

Paper

Deep Learning-based Generation of 2D image and 3D model Using Shoe Sketches 2025.01
2024 KIBME Autumn Annual Conference, first author

Repaint-Seg: A Segmentation and Inpainting-based Object Detection Dataset Augmentation Technique 2024.10
2024 KIBME Autumn Annual Conference, first author

Generate 3D face model with textures from a single 2D image 2024. 06
2024 KIBME Summer Annual Conference

3D Human Model Generation from 2D Single Image 2024. 06
2024 3DSA 15th International Conference on 3D Systems and Applications

MaxProfit Time Series Clustering Technique Based on Error Rate Evaluation to Improve Reward of Distributed Energy Virtual Power Plant 2024. 06
Journal of Broadcast Engineering(KMMS, KCI), first author

Skill

Programming: C/C++, Python, Java, JavaScript, Visual Basic, Flutter
Tools: Git, Docker, LaTeX, PyTorch
Coursework: Workshop/Fundamentals of Deep Learning(NVIDIA), Algorithms Part I(Princeton Univ.)
Languages: English (Fluent), Korean (Native)
Area of Interest: Computer Vision, Video Compression, Deep Learning

Achievement

Dong-A University DevDay: 3rd award 2024.11
Dong-A University FairWeek: 2rd award 2023.12
Dong-A University DevDay: 2rd award 2023.08

Appendix - Name

Project results: https://example.com/link1

Description of the appendix item. This can be a brief explanation or additional details.