# SangKyun Jeon

*AI Researcher*

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## Education

**Dong-A University**, Undergraduate in Computer Science and Engineering        2022.03 – 2026.02
GPA: 4.11/4.5

## Work Experience

**Media For Machine Laboratory**, Undergraduate Researcher        2023.05 –
- Studied about Deep Learning and Computer Vision.
- Experiments to change the inner codec of the VCM and FCM to a deep learning based codec.

**ETRI**, Internship        2024.07 – 2024.08
- Research experiments involving MPEG-AI FCM with deep-learning codecs.
- ISO/IEC JTC1 SC29 WG04 MPEG-AI FCM Training Reproduce experiments.

## Projects

**Feature Compression for Machines**        2024.02 –
- Role: Main Researcher
- Achievements: Brief summary of results or outcomes.
- Tools and technologies used: Python, Pytorch, C/C++
- Link: project-link.com

**Video Coding for Machines**        2023.05 – 2024.02
- Role: Main Researcher
- Achievements: I gained an understanding of video coding technology and VCM tasks. Additionally, I acquired skills in writing research papers and learned about the MPEG standardization process. As a result, a research paper was written and accepted on IPIU 2024.
- Tools and technologies used: Python, Pytorch, C/C++
- Link: second-project-link.com

## Paper

**Performance Improvement of FCM using End-To-End Deep Learning-based Codec**      2024.06
*2024 KIBME Summer Conference*

**Improving VCM Performance by applying E2E Deep Learning based Video Codecs**      2024. 05
*Journal of Broadcast Engineering(KIBME, KCI)*

**VCM-RS using an End-To-End deep learning-based video codec**      2024. 01
*Image Processing and Image Understanding 2024*

## 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 FairWeek**      2023.12
**The 2nd Employment and Labor Public Data Utilization Contest**      2023.09
**Dong-A University DevDay**      2023.08

# Appendix - Name

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

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