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EDUCATION

• **Dong-A University, South Korea**   *2026.02*
Undergraduate, Computer Science & Engineering   CGPA/Percentage: 4.09/4.5

EXPERIENCE

• **Media For Machine Laboratory**   *2023.05 -*
Undergraduate Researcher   Dong-A University
  – Work description line 1
  – Work description line 2

• **ETRI**   *2024.07 - 2024.08*
Intern   Daejeon
  – ISO/IEC JTC1 SC29 WG04 MPEG-AI FCM Training Reproduce experiment.
  – Research for contributions to MPEG-AI and review of related papers.
  – Research experiments involving MPEG-AI FCM with deep-learning codecs.

• **SKT-Busan Digital Competency Enhancement Project Team**   *2022.05 - 2022.12*
Instructor   Busan
  – Video and Photo Editing Workshop for Seniors and Vulnerable Populations.
  – Artificial Intelligence Course for Children.

• **KT-CS**   *2021.05 - 2021.08*
Instructor   Busan
  – Kiosk Usage Course for Seniors.

PAPERS

**MaxProfit Time Series Clustering Technique Based on Error Rate Evaluation
to Improve Reward of Distributed Energy Virtual Power**   *2023.12 -*

- Jounal Name

PERSONAL PROJECTS

• **Feature Compression for Machine**   *2023.12 -*
Project description(Your input in the project)

  – Tools & technologies used: Python, python-venv, compressai, pytorch
  – More description on the project(The output you achieved by working on the project)

• **3D Avatar**   *2023.09   2023.12*
Project description(Your input in the project)

  – Tools & technologies used: Blender, Python
  – More description on the project(The output you achieved by working on the project)

• **C-ITS**   *Event dates*
Project description(Your input in the project)

  – Tools & technologies used: Python, Pandas, Streamlit, Map API
  – More description on the project(The output you achieved by working on the project)

• **Visualization for Employment and Labor**   *2023.06 - 2023.09*
Project description(Your input in the project)

  – Tools & technologies used: Python, Pandas, Streamlit, Apache ECharts
  – More description on the project(The output you achieved by working on the project)

• **Video Compression for Machine**   *Event dates*
Project description(Your input in the project)

  – Tools & technologies used: Python, PyTorch, C++
  – More description on the project(The output you achieved by working on the project)

Technical Skills and Interests

Languages: C, C++, C#, Java, Python, JavaScript, Visual Basic, Flutter
Developer Tools: VSCode, Visual Studio, Android Studio, XCODE, Eclipse
Frameworks: PyTorch, TensorFlow, EGovFramework, Unity, Unreal
Cloud/Databases: MySQL, MariaDB, MongoDB, Firebase, AWS
Soft Skills: Project Management
Coursework: Algorithms Part I(Princeton Univ.)
Areas of Interest: Video Compression, Computer Vision, Deep Learning

Positions of Responsibility

•**Project Manager and Main Researcher,** Feature Compression for Machine	*2024.12 -*
•**Project Manager,** C-ITS Project	*2023.06 - 2024.01*
•**Laboratory Manager,** Media For Machine Laboratory	*2023.05 - 2024.02*

Achievements

• **Dong-A University FairWeek** Department of Computer and AI Engineering	*2023. 12.*
• **The 2nd Employment and Labor Public Data Utilization Contest(ROK)**	*2023. 09.*
• **Dong-A University DevDay** Department of Computer and AI Engineering	*2023. 08.*