Seongho An

ansh1226@unist.ac.kr   +82 10 9232 2801   github.com/seonghoanai

Education

Ulsan National Institute Of Science and Technology (UNIST)	**Ulsan, Korea**
B.S. in Progress, Department of Computer Science and Engineering (CSE)	*Mar. 2022 – Present*

- **Major:** Computer Science and Engineering
- **Double Major:** Biomedical Engineering

Work Experience

AI group, MedicalAI	**Seoul, Korea**
Data Processing Team, Intern	*Jul. 2024 – Aug. 2024*
AI platform group, Deargen	**Seoul, Korea**
Machine Learning Engineer, Intern	*Jan. 2024 – Feb. 2024*

Research Experience

Intelligence and Control-based BioMedicine Laboratory, UNIST	**Ulsan, Korea**
Research Assistant, Server Administrator	*Mar. 2024 – Present*

- **Topic:** Study for AI models to measure scoliosis levels for children with disabilities
- **Topic:** GNN-based Analysis of infants' movements for prognosis of neurological outcomes
- **Topic:** X-ray based prediction of Rotator Cuff Retear

Genome Engineering Laboratory, UNIST	**Ulsan, Korea**
Research Assistant	*Jul. 2022 – Nov. 2023*

- **Topic:** Increasing the efficacy of cancer therapy using CRISPR
- **Topic:** Acquire Molecular Biology & Genome Engineering skills

Projects

Development ECG collection applications for Galaxy Watch [github]
  * Development Tool for collect ECG data using Samsung Health sdk in Galaxy Watch

Development ECG transfer applications for Appple Watch - iPhone [github]
  * Development Tool for convert collected ECG data into .json format in iOS

CLoRA: Contrastive Learning with Low-Rank Adaptation
  * Explore representation between LoRA layer
  * Investigate the significance of representation between Encoder/Decoder in LoRA

Development real-time person ID detection pipeline [github]
  * Developed Real-time person ID detection on RAW image
  * Proposing two-staged(detection-semantic segmentation) model

Awards

Excellent Research Award (Capstone Project Research)	**2025**
Department of Biomedical Engineering, UNIST	
Merit Award (Finalist)	**2025**
UNIST–POSTECH–KAIST Data Science Competition, KB Securities	
Distinguished Service Award	**2023**
Department of Computer Science & Engineering, UNIST	

Teaching

Tutor, Ulju The Dream Campus: Python Programming *for local middle school students*	*Apr. 2023 – Dec. 2024*
Tutor, Learning Support Tutoring: Science & Math *for local middle school students*	*Apr. 2023 – Feb. 2024*
Tutor, NAVER CONNECT 1784 School Revolution: SW & AI *at Goheon elementary school*	*Jan. – Feb. 2023*

Extracurricular Activities

HeXA, UNIST Service Development and Information Security Club	**Ulsan, Korea**
Executive Board Member	*Mar. 2022 – Sep. 2024*

  * **Server Administrator.** Basic networks and CLI usage experience