

Chaemin Hwang

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RESEARCH INTEREST

My research goal is to leverage artificial intelligence to address real-world social challenges.

I'm also interested in personalization, particularly in developing eXplainable AI systems that can earn public trust and ensure transparency in decision-making.

EDUCATION

- **Yonsei University** Seoul, South Korea
B.S. in School of Sociology with a Minor in Applied Statistics (GPA: 3.89/4.30) *Mar. 2021 – Feb. 2026 (Expected)*

RESEARCH EXPERIENCES

- **Edge AI Lab, Yonsei University** Seoul, South Korea
Undergraduate Research Assistant (Advisor: Dongjun Han) *Aug.2025 - Nov.2025*
- **Social Networks & Neuroscience Lab, Yonsei University** Seoul, South Korea
Undergraduate Research Assistant (Advisor: Yoosik Youm) *Jan.2023 - Jul.2023*

TEAM PROJECTS

- **Photorealistic Image Generation with Diffusion Models**
AI-generated image detection via background analysis and aligning diffusion models *Mar. 2025 – Oct. 2025*
- **Monocular Image based Dog Size Prediction**
Improving dog body height prediction performance using depth estimation models *Sep. 2024 – Dec. 2024*
- **Memorial Pet Contents Generation**
Memorial pet content generation using Stable-Diffusion ControlNet and LLaMA with LoRA *Feb. 2024 – Mar. 2024*
- **Emotion Classification using Speech Data**
Enhancing emotion classification performance through Audio Spectrogram Transformer *May. 2024 – Jun. 2024*
- **Sentiment Analysis using Restaurant Review**
Developing a sentiment analysis system for restaurant reviews based on ELECTRA *Feb. 2024 – May. 2024*
- **Performance Review Archiving Service**
Implementation of web-based performance review archival system for university club *Sep. 2023 – Feb. 2024*

HONORS AND AWARDS

- **Mentoring Scholarship, Lotte Foundation**
Math mentoring volunteering for middle school students at local children's center *Sep. 2022 – Feb. 2025*
- **Certification, 5th LG Aimers/Data Intelligence**
Topic: Developing a product defect detection model based on Process Data *Aug. 2024*
- **CLIO Social Data Science Development Scholarship**
A scholarship given to motivate and encourage learning in the field of social data science *May. 2023*

EXTRACURRICULAR ACTIVITIES

- **Yonsei Data Science Lab**
11th Member *Dec. 2023 - Dec. 2024*

SKILLS AND TECHNIQUES

- **TEPS - 333**