

Chaemin Hwang

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RESEARCH INTEREST

My research goal is to leverage AI to address real-world social challenges. I'm particularly interested in developing robust, fair, and trustworthy AI systems that can operate reliably under real-world constraints. Ultimately, I aim to advance AI that meaningfully supports society and drives positive real-world impact.

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

HONORS AND AWARDS

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

EXTRACURRICULAR ACTIVITIES

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

SKILLS AND TECHNIQUES

- **TEPS - 333**