

# Chaemin Hwang

Email : chaemin.hwang@yonsei.ac.kr

## 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**  
AI-generated image detection via background analysis and aligning diffusion models *Mar. 2025 –*
- **Monocular Dog Body Length Estimation**  
Improving dog body length 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*
- **Audio Sentiment Classification**  
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**