

# Chaemin Hwang

Email : chaemin.hwang@yonsei.ac.kr

## RESEARCH INTEREST

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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

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- **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

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- **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

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- **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

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- **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

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- **Yonsei Data Science Lab**

*11th Member*

*Dec. 2023 - Dec. 2024*

## SKILLS AND TECHNIQUES

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- **TEPS - 333**