

Changhyun Lee

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EDUCATION

Yonsei University, Seoul
B.S. in Artificial Intelligence

Feb 2024 – Present

RESEARCH INTERESTS

My research focuses on applied machine learning for natural language processing and computer vision, with particular attention to **developing retrieval-augmented generation methods** and **improving image recognition systems**. I am also interested in music information retrieval as a way to **explore creative applications of AI**. My research interests include natural language processing, information retrieval, computer vision, and multimodal learning for applications in education, healthcare, and creative domains.

PROJECTS

RAG Service Implementation – AX Coding Camp 2nd Cohort

Aug 2025

- Designed and implemented a Retrieval-Augmented Generation (RAG) service during an intensive summer coding camp.
- Applied large language models with external knowledge integration to build a question-answering chatbot.
- Gained hands-on experience in prompt design and evaluation for knowledge-intensive tasks.
- Tools Used: Python, Langchain

AI-based Video Production – AX Practical Workshop

Aug 2025

- Created short-form and long-form videos using generative AI tools such as Midjourney and Capcut.
- Explored prompt design strategies for creative media generation.
- Learned practical workflows for combining visual generation with video editing platforms.

EXPERIENCE

PROMPT ENGINEERING – Modu Research

Jul 2025 - Aug 2025

- Completed a short course on prompt engineering, focusing on effective prompt design and evaluation for large language models.

GONGSANG - Startup Competition

Sep 2025

- Submitted two project proposals in collaboration with peers, focusing on AI-driven services.

BYTE THE WORLD — Department Food Enthusiast Group

June 2024

- Participated in a student-led social club dedicated to exploring local restaurants and fostering department bonding.

SERVICE

Yonsei University, AI Department Student Council

2024 – Present

- **Member, Planning Division (March 2024 - Nov 2024)**
Assisted in organizing department events, including booth planning and management at the Yonsei University Festival.
- **Head, Planning Division (Dec 2024 - Present)**
Leading event planning and execution for the AI Department, including serving as lead organizer of the 2025 Yonsei University Festival booth.

International Volunteering

May 2025

- **Wellesley – Yonsei Buddy Program**

Supported Wellesley College students participating in the Korean Program at Yonsei University, assisting with language and cultural exchange. Contributed to fostering cross-cultural communication and academic collaboration between Korean and international students.

Extracurricular Activities

EAT in Yonsei Festival: *Scent of Blue*

May 2025

- Performed a live DJ set on Yonsei University's Baekyang-ro under the theme *EAT Play Love*, specializing in House music.

EAT the Best Vol. 19: *Curtain Call*

July 2025

- Played a Tech House set for the 24th Menti Party in Itaewon lovehouse, showcasing advanced transitions and track curation.

POWERS — Yonsei University Badminton Club

2024 – Present

- Active member of the official university badminton club, participating in club events.

ABC — Yonsei AI Department Band Club

Mar 2024 – Oct 2024

- Performed as an electric guitarist, contributing to department concerts and collaborative music projects.

SKILLS

Computer Languages: C/C++, Python

Languages: Korean, English

Hobbies: DJing, Music Production (Logic Pro, GarageBand), Playing Badminton, Electric Guitar, Lego Assembly, Travel Planning, and Creative Design (AI-generated visuals).