

Jae Y. Choi

NLP & AI RESEARCH • 최재영

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I build and train models. My research spans **HCI**, **large language models**, and **multi-modal AI** — designing training pipelines, generating and curating the data models learn from, and running experiments to find where they hold up and where they break. I am drawn to questions that refuse to sit inside a single discipline, and I work from both sides: training and stress-testing models, and asking what people actually need from them. I take initiative in shaping the research environment around me — setting a team's tone, forming collaborations, and drawing people into a shared problem. Grounded in interdisciplinary exploration, I am building a methodological range that I believe will let me offer fresh, unique perspectives in future research.

01 EDUCATION

B.S. in Computer Science

2022 — Feb 2028 (Expected) • GPA 3.79

Daegu Gyeongbuk Institute of Science & Technology (DGIST), Daegu
Completed 6 semesters • Expected graduation February 2028

Summer Session (Credit Exchange)

Jun — Jul 2026 • GPA 3.50

Kyungpook National University (KNU), Daegu
College of IT Engineering • School of Computer Science and Engineering

Winter Session (Credit Exchange)

Dec 2023 — Jan 2024 • GPA 3.85

Seoul National University (SNU), Seoul
College of Engineering • Department of Electrical and Computer Engineering

02 EXPERIENCE

Research Intern

Oct 2025 — Jul 2026

LaMI Lab, DGIST
Research on large language models and multi-modal systems.

DLI Certified Instructor

NOW

Feb 2026 — Now

NVIDIA Deep Learning Institute
Certified instructor for the Building RAG Agents with LLMs course.

Upstage AI Ambassador

Mar — May 2026

Upstage
AI developer-community ambassador.

Research Intern

Sep 2025 – Feb 2026

SEMES, Smart EQ SW Center

- Conducted R&D to develop an **LLM agent service for semiconductor manufacturing equipment** at SEMES, a Samsung Electronics subsidiary.
- Built **Multi-Agent Systems (MAS)** across a range of architectures using LangChain.
- Researched **RAG-based** methods for supplying domain knowledge to the models.

Research Intern

Mar – Aug 2025

DIAG · Yonsei University, Incheon

- Researching the interdisciplinary nature of HCI researchers' identities — how diverse academic backgrounds shape research approaches and contributions.
- Preparing a paper as **second author**, targeting submission to the ACM CHI Conference.

Research Intern

Sep 2023 – Jun 2024

DIAG · DGIST, Daegu

- Supported planning and communication of an AI-driven audit system under the supervision of the MSIT Audit Office.
- Augmented and analyzed linguistic corpus data within an NIA-funded project.
- Reviewed key CHI papers and HCI methodology literature; attended HCI Korea 2024 and related networking events.

Project Manager, Simulation Platform

Apr 2022 – Aug 2023

Quester, Daegu

- Initiated and led development of a Unity-based virtual experiment platform.
- Coordinated communication among developers, domain experts, and external vendors across the full development cycle.
- Oversaw real-world deployment and pilot trials, and managed R&D proposals and administration.

03 RESEARCH IN PROGRESS

AVRTG Audio-Visual Robustness Temporal Grounding

FIRST AUTHOR

Robust audio-visual temporal grounding for omnimodal models, pursued as an undergraduate researcher and an internal university research project. Generating synthetic data from video datasets such as VGGSound, and using it to train and stress-test models.

Omnimodal

Synthetic Data

VGGSound

04 PROJECT PORTFOLIO

DGIST AI Build Week 2026 — Campus-wide AI Festival

Lead Organizer

DGIST · Jul 2026

- Initiated and led a two-day, campus-wide AI festival — keynotes, hands-on workshops, and an overnight team hackathon — open to all DGIST members.
- Recruited and coordinated industry partners — **Upstage, Lablup, and UNIVA** — directly contacting corporate stakeholders to secure speakers, workshop tracks, and sponsor booths.
- Designed the full program — keynote sessions, workshop tracks, and a hackathon offering internship pathways at sponsor companies.

Play the LAB (PLAB) — Virtual Science Lab

Project Manager

- Led end-to-end development of an interactive Unity-based platform for immersive virtual science experiments.
- Initiated the proposal, structured the roadmap, and owned the full lifecycle from design to deployment as PM.
- Piloted with real users across three sites, with live demonstrations at Ewha Womans & Seoul Women's University.

NAVER CONNECT SW Camp

Team Lead

- Led a volunteer team through summer and winter camps across several schools, running the program design and social-media outreach.
- The team was officially selected as an **outstanding club**.

05 CERTIFICATIONS

Building RAG Agents with LLMs	NVIDIA DLI	Aug 2025
Getting Started with AI on Jetson Nano	NVIDIA DLI	Jul 2025
H-Mobility: Autonomous Driving — Perception Track	Hyundai NGV	Jun 2025
Building Transformer-Based NLP Applications	NVIDIA DLI	Jan 2024
Building Conversational AI Applications	NVIDIA DLI	Jan 2024
Computer Vision for Industrial Inspection	NVIDIA DLI	Jan 2024

06 AWARDS & HONORS

2024	Outstanding Training Award Korea Air Force Basic Military Training Center	2024	Outstanding Club Award — SW Sprout Camp NAVER CONNECT
2021	Hanwha Science Challenge — Bronze Award Hanwha Group	2020	Youth Content Dream Project — Grand Prize Chungnam Content Korea Lab