

# DASOL CHOI

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## RESEARCH SUMMARY

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Machine learning researcher specializing in AI safety, alignment, and evaluation across multimodal and language models, focusing on building reliable and trustworthy AI systems.

## EDUCATION

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<b>Yonsei University</b> , Seoul, South Korea	03.2024 – 02.2026
M.S. in Digital Analytics, College of Computing	
Coursework: Intermediate Programming, Machine Learning, Practical Applications of Big Data, Database, Deep Learning, Topics in Responsible AI, Natural Language Processing, etc	GPA: 4.26/4.50
<b>Kyung Hee University</b> , Seoul, South Korea	03.2013 – 02.2019
Bachelor of Arts in Japanese Language (Major)	
Bachelor of Physical Education (Double Major)	GPA: 4.07/4.50

## EXPERIENCE

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<b>AIM Intelligence</b> #Principal Researcher	07.2025 – Present
• Led BMW Group collaboration on organization-specific LLM policy alignment, developing <i>COMPASS</i> evaluation framework.	
• Developed Multimodal Guard, a proactive safety system for filtering policy violations across image, video, audio, and text modalities.	
• Investigated benign-sounding audio jailbreak attacks in Audio-Language Models with LG Electronics collaboration.	
<b>SIONIC AI</b> #ML/DL Research Intern	12.2024 – 02.2025
• Developed multilingual reasoning benchmarks for Korean and Japanese language models, emphasizing cultural and linguistic diversity.	
• Built systematic evaluation leaderboard for cross-model performance comparison.	
<b>Samsung Medical Center</b> #Data Analysis Researcher	07.2023 – 03.2024
• Created LLM evaluation framework for medical documentation with comprehensive error taxonomies and quality standards.	
• Led federated learning model development for breast cancer prognosis prediction in Ministry of Trade, Industry, and Energy-funded project.	

## SELECTED PUBLICATIONS

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\* indicates equal contribution. Full publication list available at Google Scholar.

### Peer-Reviewed Publications

**Distribution-Level Feature Distancing for Machine Unlearning: Towards a Better Trade-off Between Model Utility and Forgetting**

- **Dasol Choi**, Dongbin Na
- *AAAI Conference on Artificial Intelligence (AAAI), 2025*

**Better Safe Than Sorry? Overreaction Problem of Vision Language Models in Visual Emergency Recognition**

- **Dasol Choi**, Seunghyun Lee, Youngsook Song
- *IEEE/CVF Winter Conference on Applications of Computer Vision (WACV), 2026*

**Redefining Evaluation Standards: A Unified Framework for Evaluating the Korean Capabilities of Language Models**

- Hanwool Lee\*, **Dasol Choi\***, Sooyong Kim, Ilgyun Jung, Sangwon Baek, Guijin Son, Inseon Hwang, Naeun Lee, Seunghyeok Hong
- *International Conference on Language Resources and Evaluation (LREC), 2026*

**Pushing on Multilingual Reasoning Models with Language-Mixed Chain-of-Thought**

- Guijin Son, Donghun Yang, Hitesh Laxmichand Patel, Amit Agarwal, Hyunwoo Ko, Chanuk Lim, Srikant Panda, Minhyuk Kim, Nikunj Drolia, **Dasol Choi**, Kyong-Ha Lee, Youngjae Yu
- *International Conference on Learning Representations (ICLR), 2026*

#### **LLM-Based Medical Document Evaluation: Integrating Human Expert Insights**

- Junhyuk Seo\*, **Dasol Choi**\*, Wonchul Cha, Taerim Kim
- *World Congress on Medical and Health Informatics (MedInfo), 2025 Best Student Paper Award*

#### **Evaluation Framework of Large Language Models in Medical Documentation: Development and Usability Study**

- Junhyuk Seo\*, **Dasol Choi**\*, Wonchul Cha, Haanju Yoo, Namkee Oh, Yongjin Yi, Gyehwa Lee, Edward Choi, Taerim Kim
- *Journal of Medical Internet Research (JMIR), 2024*

#### **Under Review**

##### **When Cars Have Stereotypes: Auditing Demographic Bias in Objects from Text-to-Image Models**

- **Dasol Choi**, Jihwan Lee, Minjae Lee, Minsuk Kahng

##### **COMPASS: A Framework for Evaluating Organization-Specific Policy Alignment in LLMs**

- **Dasol Choi**\*, DongGeon Lee\*, Brigitta Jesica Kartono\*, Helena Berndt, Haon Park, Hwanjo Yu, Minsuk Kahng

##### **When Good Sounds Go Adversarial: Jailbreaking Audio-Language Models with Benign Inputs**

- Hiskias Dingeto\*, Taeyoun Kwon\*, **Dasol Choi**\*, Bodam Kim, DongGeon Lee, Haon Park, JaeHoon Lee, Jongho Shin

##### **What Users Leave Unsaid: Under-Specified Queries Limit Vision-Language Models**

- **Dasol Choi**\*, Guijin Son\*, Hanwool Lee\*, Minhyuk Kim, Hyunwoo Ko, Teabin Lim, Eungyeol Ahn, Jungwhan Kim, Seunghyeok Hong, Youngsook Song

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#### **PATENTS**

- **Method and System for Automated Evaluation of a Conversational Language-Model Assistant Against Organization-Specific Policies** EP Patent Application 25216794.5 Nov 18, 2025
- **Method and Apparatus for Evaluating Safety of an Artificial Intelligence Model** KR Patent Application 10-2025-0148814 Oct 15, 2025

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#### **COMMUNITY INVOLVEMENT**

##### **HAE-RAE Open-source Research Community**

05.2024 – Present

*Researcher, Contributor to Korean LLM Research*

- Led development of HAERAE-Vision, a comprehensive Korean vision-language model benchmark for culturally-grounded multimodal evaluation.
- Co-authored research papers focusing on making Korean LLMs more accessible and culturally inclusive.
- Developed unified evaluation framework for Korean LLM benchmarking with standardized APIs and extensible architecture GitHub.

##### **AAAI 2026, Program Committee Member**

08.2025 – 10.2025

- Served as a reviewer for the **Main Track** and **Alignment Track**, evaluating submissions on responsible AI, alignment, and safety.

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#### **AWARDS & ACHIEVEMENTS**

- **MedInfo2025 Best Student Paper Award** 08.2025  
Awarded for "LLM-Based Medical Document Evaluation: Integrating Human Expert Insights," recognizing innovative approaches to medical AI evaluation.
- **Google East Asia Student Travel Grants, AAAI 2025** 03.2025  
Awarded travel grant for the accepted paper "Distribution-Level Feature Distancing for Machine Unlearning: Towards a Better Trade-off Between Model Utility and Forgetting."