

# DASOL CHOI

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## RESEARCH SUMMARY

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Machine learning researcher specializing in AI safety, responsible AI, and machine unlearning. Published at AAAI 2025, JMIR, with papers under review at WACV and AAAI 2026. Industry collaborations with BMW Group and LG Electronics on multimodal safety and policy alignment.

## EDUCATION

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**Yonsei University**, Seoul, South Korea 03.2024 – Present  
M.S. Student 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: 4.24/4.50

**Kyung Hee University**, Seoul, South Korea 03.2013 – 02.2019  
Bachelor of Arts in Japanese Language (Major) GPA: 4.07/4.50  
Bachelor of Physical Education (Double Major)

## EXPERIENCE

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**AIM Intelligence** #Research Scientist 07.2025 – Present

- Led BMW Group collaboration on organization-specific LLM policy alignment, developing *COMPASS* evaluation framework (submitted to *ACL Rolling Review*, Oct 2025).
- Leading development of AIM Multimodal Guard, a proactive safety system for filtering policy violations across image, video, audio, and text modalities (*provisional patent filed*).
- Co-investigated benign-sounding audio jailbreak attacks in Audio-Language Models with LG Electronics collaboration (under review at AAAI 2026).

**SIONIC AI** #ML/DL Research Intern 12.2024 – 02.2025

- Developed multilingual reasoning benchmarks for Korean and Japanese language models, emphasizing cultural and linguistic diversity [Dataset].
- Built systematic evaluation leaderboard for cross-model performance comparison [Leaderboard].

**Samsung Medical Center** #Data Analysis Researcher 07.2023 – 03.2024

- Created LLM evaluation framework for medical documentation with comprehensive error taxonomies and quality standards (published in *JMIR* and *MedInfo* 2025).
- 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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### 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 First author

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

- Junhyuk Seo\*, Dasol Choi\*, Wonchul Cha, Taerim Kim
- MedInfo, 2025 Best Student Paper Award, Co-first author

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

- Junkyuk Seo\*, **Dasol Choi\***, Wonchul Cha, Haanju Yoo, Namkee Oh, Yongjin Yi, Gye-hwa Lee, Edward Choi, Taerim Kim
- *Journal of Medical Internet Research (JMIR)*, 2024 Co-first author

### Under Review

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

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

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

- **Dasol Choi**, Jihwan Lee, Minjae Lee, Minsuk Kahng
- *Under review at AAAI Conference on Artificial Intelligence*, 2026 First author

#### 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
- *Submitted to ACL Rolling Review, October 2025* Co-first author

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

- Bodam Kim\*, Hiskias Dingeto\*, Taeyoun Kwon\*, **Dasol Choi**, DongGeon Lee, Haon Park, JaeHoon Lee, Jongho Shin
- *Under review at AAAI Conference on Artificial Intelligence*, 2026 Co-author

#### Workshop Publications Towards Efficient Machine Unlearning with Data Augmentation (CVPR 2024 Workshop)

First author

Towards Machine Unlearning Benchmarks: Forgetting Personal Identities (AAAI 2024 Workshop) Co-first author

KoMultiText: Large-Scale Korean Text Dataset for Classifying Biased Speech (NeurIPS 2023 Workshop) First author

Improving Fine-grained Visual Understanding in VLMs through Text-Only Training (AAAI 2025 Workshop) First author

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

## 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.

## 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."