

Keuntae Kim

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EDUCATION

Sep. 2023 ~ Present	Hanyang University Department of Computer Science <i>Advisor: Yong Suk Choi</i> <i>Ph.D. Student</i>	Seoul, Korea
Sep. 2021 ~ Aug. 2023	Hanyang University Department of Computer Science <i>Advisor: Yong Suk Choi</i> <i>M.S. in Computer Science</i>	Seoul, Korea
Mar. 2015 ~ Aug. 2019	Kookmin University Department of Automobile and IT Convergence <i>B.S. in Automobile and IT Convergence</i>	Seoul, Korea

RESEARCH AREAS

- LLM, VLM Reasoning Ability
- Diffusion Language Models (dLLM, dMLLM)
- Continual Learning (Incremental Learning)
- Reinforcement Learning (Policy Optimization)
- Artificial General Intelligence

PUBLICATIONS (JOURNALS AND CONFERENCES)

1. Keuntae Kim, Yong Suk Choi, "CFP-AL: Combining Model Features and Prediction for Active Learning in Sentence Classification", *APPLIED SCIENCES*, (2025)
2. Keuntae Kim, Eunhye Jeong, Sehyeon Lee, Seohee Yoon, Yong Suk Choi, "CLAWS: Creativity detection for LLM-generated solutions using Attention Window of Sections", *NeurIPS 2025*, (2025)
3. Keuntae Kim, Eunhye Jung, Sehyeon Lee, Seohee Yoon, Yong Suk Choi, "Can Reasoning Language Models Think More Creatively? A Study of Reasoning Ability and Overconfidence", *ICLR 2026 (under review)*, (2026)
4. Keuntae Kim, Beomseok Lee, Hyunwoo Kim, Yong Suk Choi, "Transfer is All You Need: Revisiting the Stability–Plasticity Dilemma through Backward and Forward Transfer in PLMs", *ICLR 2026 (under review)*, (2026)

5. Keuntae Kim, Mingyu Kang, Yong Suk Choi, "Thinking Diffusion: Penalize and Guide Visual-Grounded Reasoning in Diffusion Multimodal Language Models", *CVPR 2026 (under review)* (2026)
6. Keuntae Kim, Eunhye Jeong, Yong Suk Choi, "CWM: Controllable White-Box Meta-Prompting for Adaptive Retrieval-Augmented Generation and Reasoning Ability", *ACL 2026 (under review)*, (2026)

PATENTS (APPLICATIONS AND GRANTED)

1. "METHOD FOR ANALYSING EMOTION BASED ON SNS(Social Network Service) DATA", "SNS(Social Network Service) 데이터 기반 감정 분석 방법", KR-Application No. 10-2023-0193546
2. "Method and Device for Displaying Emotion Map Animation", "감정 지도 애니메이션 표시 장치 및 방법", KR-Application No. 10-2024-0152245
3. "METHOD AND SYSTEM FOR FUSION OF SPARSE-DENSE AND GLOBAL ATTENTION FOR VIDEO ACTION RECOGNITION", "비디오 행동 인식을 위한 희소-밀집(Sparse-Dense) 및 글로벌 어텐션(Global Attention) 융합 방법 및 시스템", KR-Application No. 10-2024-0132801
4. "Device and Method for Correcting Toxic Words in Sentence", "문장의 유해 단어 정정 장치 및 방법", KR-Application No. 10-2024-0143175

RESEARCH PROJECTS / GRANTS

- Natural Language Data Refinement for Large-scale Language Model Construction, KT Corp, Korea / Researcher (Sep. 2021 ~ Jul. 2022)
- High-performance Deep Learning Method via Cross-connection of Autoencoders and Decoders, National Research Foundation of Korea (NRF), Korea / Researcher (Sep. 2021 ~ Feb. 2024)
- Big Data-based Real-time Monitoring and Social Simulation System for Risk Management in a Hyper-connected Society, National Research Foundation of Korea (NRF), Korea / Lead Researcher (Group 3) (Sep. 2021 ~ Feb. 2025)
- Metacognitive Generative AI Framework for Mitigating Hallucination in Large Language Models, National Research Foundation of Korea (NRF), Korea / Lead Researcher (Feb. 2025 ~ Present)
- Metacognitive AGI Framework and its Applications, Institute of Information and communications Technology Planning and evaluation (IITP), Korea / Lead Researcher (Jul. 2025 ~ Present)

TECHNICAL SKILLS AND EXPERTISE

- Programming Languages: C, C++, Java, JavaScript, Kotlin, Python, Matlab, SQL, Rust, Go
- Frameworks & Libraries: PyTorch, TensorFlow, scikit-learn, Hugging Face, JAX, Keras, LangChain
- Databases & Big Data: MySQL, MongoDB, PostgreSQL, Apache Spark, Hadoop
- Development Tools: Docker, Git, Linux, Kubernetes, CI/CD (Jenkins, GitHub Actions)
- MLOps & Cloud Platforms: AWS, GCP, Azure, MLflow, Weights & Biases
- AI Skills: Prompt Engineering, Large Language Models (LLMs), Large Language Models (VLMs), Diffusion Models, Retrieval-Augmented Generation (RAG), Diffusion Large Language Models (dLLMs), Diffusion Multimodal Large Language Models (dMLLMs)

ACADEMIC SERVICE

- CVPR 2026

- ACL ARR January 2026