Changyeon Kim

changyeon.kim@kaist.ac.kr
changyeon.site +1-206-200-3761
GitHub: csmile-1006 X (Twitter): @cykim1006 Google Scholar

RESEARCH INTEREST

My research focuses on efficient and effective post-training for robot foundation models. I develop scalable learning, reliable evaluation, and continual adaptation methods for robots that improve through real-world experience.

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST) Daejeon, S.Korea
Ph.D. in Artificial Intelligence Feb. 2022 - Oct. 2026
Thesis: Efficient Post-Training for Robot Foundation Models in Real-World Deployment
Advisor: Kimin Lee and Jinwoo Shin

Korea Advanced Institute of Science and Technology (KAIST) Daejeon, S.Korea
B.Sc. in Computer Science and Mathematics (minor) Mar. 2016 - Feb. 2021

WORK EXPERIENCE

NVIDIA Seattle Robotics Lab Seattle, WA, USA
Research Intern (Host: Yijie Guo and Yashraj Narang) May. 2026 - Sep. 2026

The University of Texas at Austin Austin, TX, USA
Visiting Scholar (Host: Yuke Zhu) Sep. 2024 - Jul. 2025

Kakao Seongnam, S.Korea
Machine Learning Engineer at Recommendation Team Dec. 2020 - Feb. 2022

PUBLICATIONS

C: Conference, W: Workshop, P: Preprint, T: Thesis, *: Equal contribution

[T1] **Changyeon Kim**. Efficient Post-Training for Robot Foundation Models in Real-World Deployment. Ph.D. Dissertation. Defense slides.

[W3] **Changyeon Kim**, Kimin Lee, Yashraj Narang, Yijie Guo. ACCRUE: Continual Off-Policy Reinforcement Learning for Robot Foundation Models. CoRL 2026 Workshop on Continually Self-Improving Robots (CoRLW). CoRL 2026 Workshop on Roadmap to Sample-Efficient Real-World Reinforcement Learning (CoRLW), **Oral Presentation**. Under review at IEEE International Conference on Robotics & Automation (**ICRA**) 2027.

[W2] **Changyeon Kim**, Yekyung Nah, Kimin Lee. RACE: Calibrated Cumulative Scoring for Rollout-Free Robot Policy Checkpoint Selection. NeurIPS 2026 Workshop on Robot Learning (NeurIPSW). CoRL 2026 Workshop on Robot Learning at Deployment (CoRLW). Under review at IEEE International Conference on Robotics & Automation (**ICRA**) 2027.

[P2] Yonghoon Dong, Minsung Yoon, Jaehyuk Kim, Jungwoo Park, **Changyeon Kim**, Jinwoo Shin. Q-Learning with Scalar Adjoint Matching. ArXiv Preprint, 2026.

[C12] Yonghoon Dong, Kyungmin Lee, **Changyeon Kim**, Jaehyuk Kim, Jinwoo Shin. Trust Region Q Adjoint Matching. Conference on Neural Information Processing Systems (**NeurIPS**), 2026.

[C11] Huihan Liu, **Changyeon Kim**, Bo Liu, Minghuan Liu, Yuke Zhu. Pretrained Vision-Language-Action Models are Surprisingly Resistant to Forgetting in Continual Learning. International Conference on Machine Learning (**ICML**), 2026. **Oral Presentation (168 / 23918 = 0.7%)**

[C10] Taeyoung Kim, Jimin Lee, Myungkyu Koo, Dongyoung Kim, Kyungmin Lee, **Changyeon Kim**, Younggyo Seo, Jinwoo Shin. Contrastive Representation Regularization for Vision-Language-Action Models. International Conference on Machine Learning (**ICML**), 2026.

[C9] Suchae Jeong, Jaehwi Song, Haeone Lee, Hanna Kim, Jian Kim, Dongjun Lee, Dong Kyu Shin, **Changyeon Kim**, Dongyoon Hahm, Woogyeol Jin, Juheon Choi, Kimin Lee. Learning Multi-View Spatial Reasoning from Cross-View Relations. The IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2026.

[C8] **Changyeon Kim**, Haeone Lee, Younggyo Seo, Kimin Lee, Yuke Zhu. DEAS: DEtached value learning with Action Sequence for Scalable Offline RL. International Conference on Learning Representations (**ICLR**), 2026.

[C7] Suhyeok Jang, Dongyoung Kim, **Changyeon Kim**, Youngsuk Kim, Jinwoo Shin. Verifier-free Test-Time Sampling for Vision Language Action Models. International Conference on Learning Representations (**ICLR**), 2026.

[C6] Myungkyu Koo, Daewon Choi, Taeyoung Kim, Kyungmin Lee, **Changyeon Kim**, Younggyo Seo, Jinwoo Shin. HAMLET: Switch Your Vision-Language-Action Model into a History-Aware Policy. International Conference on Learning Representations (**ICLR**), 2026.

[C5] Juyong Lee, Taywon Min, Minyong Ahn, Dongyoon Hahm, Haeone Lee, **Changyeon Kim**, Kimin Lee. B-MoCA: Benchmarking Mobile Device Control Agents across Diverse Configurations. Conference on Lifelong Learning Agents (**CoLLAs**), 2025. ICLR 2024 Workshop on Generative Models for Decision Making (GenAI4DM), **Spotlight Presentation**

[C4] **Changyeon Kim**, Minho Heo, Doohyun Lee, Jinwoo Shin, Honglak Lee, Kimin Lee, Joseph J Lim. Subtask-Aware Visual Reward Learning from Segmented Demonstrations. International Conference on Learning Representations (**ICLR**), 2025.

[C3] **Changyeon Kim**, Younggyo Seo, Hao Liu, Lisa Lee, Jinwoo Shin, Honglak Lee, Kimin Lee. Guide Your Agent with Adaptive Multimodal Rewards. Conference on Neural Information Processing Systems (**NeurIPS**), 2023. **Finalist**, Qualcomm Innovation Fellowship Korea 2024

[C2] **Changyeon Kim***, Jongjin Park*, Jinwoo Shin, Honglak Lee, Pieter Abbeel, Kimin Lee. Preference Transformer: Modeling Human Preferences using Transformers for RL. International Conference on Learning Representations (**ICLR**), 2023.

[W1] **Changyeon Kim***, Junsu Kim*, Younggyo Seo, Kimin Lee, Honglak Lee, Jinwoo Shin. Dynamics-Augmented Decision Transformer for Offline Dynamics Generalization. NeurIPS 2022 Workshop on Offline Reinforcement Learning (NeurIPSW)

[C1] Gabriel Lima, **Changyeon Kim**, Seungho Ryu, Chihyoung Jeon, Meeyoung Cha. Collecting the Public Perception of AI and Robot Rights. Conference on Computer-Supported Cooperative Work and Social Computing (**CSCW**), 2020.

[P1] Hojoon Lee, Dongyoon Hwang, Sunghwan Hong, **Changyeon Kim**, Seungryong Kim, Jaegul Choo. MOI-Mixer: Improving MLP-Mixer with Multi Order Interactions in Sequential Recommendation. ArXiv Preprint.

INVITED TALKS

Efficient Post-Training for Robot Foundation Models in Real-World Deployment

Stanford TML Lab (Advisor: Karen Liu) Oct. 2026

CMU LeCAR Lab (Advisor: Guanya Shi) Sep. 2026

Guide Your Agent with Adaptive Multimodal Rewards
LG AI Research @ NeurIPS (2023) Dec. 2023

HONORS & AWARDS

Silver Reviewer Award 2026
International Conference on Machine Learning (ICML) Seoul, S.Korea

Notable Reviewer 2025
International Conference on Learning Representations (ICLR) Singapore

Finalist 2024
Qualcomm Innovation Fellowship Korea Seoul, S.Korea

Travel Award 2023
Conference on Neural Information Processing Systems (NeurIPS) New Orleans, USA

Scholarship 2023
KAIST-Google Partnership Program Daejeon, S.Korea

East Asia Student Travel Grant 2023
Google New Orleans, USA

Travel Award 2023
International Conference on Learning Representations (ICLR) Kigali, Rwanda

Dean's List (Fall Semester) 2019
Department of Engineering, KAIST Daejeon, S.Korea

Line Scholarship (Fall Semester) 2019
School of Computing, KAIST Daejeon, S.Korea

National Science and Engineering Scholarship 2017 - 19
Korea Ministry of Science and ICT Daejeon, S.Korea

ACADEMIC SERVICES

Conference Reviewer: ICML, NeurIPS, ICLR, CoRL, AAAI, RSS, ECCV, ICRA, RA-L
Workshop Reviewer: ICML Frontiers4LCD 2023, CoRL MRM-D 2024, NeurIPS WRM 2026, CoRL Scaling H2R 2026, CoRL CSIR 2026, CoRL R2RL 2026

MENTORING

Yonghoon Dong: now PhD student at KAIST (2026.03 - 2026.09)
Myungkyu Koo: now PhD student at KAIST (2025.08 - 2026.01)
Taeyoung Kim: now PhD student at KAIST (2025.08 - 2026.01)
Suhyeok Jang: now PhD student at KAIST (2025.08 - 2026.01)
Namgyu Kim: now BS student at POSTECH (2026.01 - 2026.09)

REFERENCE

Kimin Lee: Assistant Professor at KAIST (kiminlee@kaist.ac.kr)
Jinwoo Shin: Full Professor at KAIST (jinwoos@kaist.ac.kr)
Yuke Zhu: Associate Professor at UT Austin & Director at NVIDIA GEAR (yukez@cs.utexas.edu)
Yijie Guo: Research Scientist at NVIDIA Seattle Robotics Lab (yijieg@nvidia.com)