


William June Suk Choi

w.choi@kaist.ac.kr  [choi403.github.io](https://github.com/choi403),  [GitHub](#) in [LinkedIn](#)

 US/Korea (Dual Citizen)

About

I am a third-year Ph.D. student at Korea Advanced Institute of Science and Technology (KAIST), advised by Prof. Kimin Lee and Jinwoo Shin. I received a B.S. degree in Computer Science from KAIST. My research focuses on enhancing the efficiency and controllability of generative models, with a primary focus on image and video diffusion models.

Education

Korea Advanced Institute of Science and Technology (KAIST) <i>Ph.D. Student in Artificial Intelligence</i>	Sep. 2023 - Feb. 2029 (Expected)
Korea Advanced Institute of Science and Technology (KAIST) <i>B.S. in Computer Science (summa cum laude)</i> <i>Graduated with Rank 1 out of 75 students in the School of Computing</i>	Mar. 2019 – Aug. 2023

Publications

C: Conference, W: Workshop, P: Preprint, *: Equal contribution, †: Equal advising

- [P2] **Enhancing Motion Dynamics of Image-to-Video Models via Adaptive Low-Pass Guidance**
June Suk Choi, Kyungmin Lee, Sihyun Yu, Yisol Choi, Jinwoo Shin, Kimin Lee
Preprint
- [C5] **Enhancing LLM Agent Safety via Causal Influence Prompting**
Dongyoon Hahm, Woogyoul Jin, June Suk Choi, Sungsoo Ahn, Kimin Lee
Findings of the Association for Computational Linguistics (ACL Findings), 2025
- [C4] **Silent Branding Attack: Trigger-free Data Poisoning Attack on Text-to-Image Diffusion Models**
Sangwon Jang, June Suk Choi, Jaehyeong Jo, Kimin Lee[†], Sung Ju Hwang[†]
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2025
- [C3] **DiffusionGuard: A Robust Defense Against Malicious Diffusion-based Image Editing**
June Suk Choi, Kyungmin Lee, Jongheon Jeong, Saining Xie, Jinwoo Shin, Kimin Lee
International Conference on Learning Representations (ICLR), 2025
- [C2] **DiffExp: Efficient Exploration in Reward Fine-tuning for Text-to-Image Diffusion Models**
Daewon Chae*, June Suk Choi*, Jinkyu Kim[†], Kimin Lee[†]
AAAI Conference on Artificial Intelligence (AAAI), *Oral Presentation* (547/12,957 = 4.2%), 2025
- [C1] **Collaborative Score Distillation for Consistent Visual Editing**
Subin Kim*, Kyungmin Lee*, June Suk Choi, Jongheon Jeong, Kihyuk Sohn, Jinwoo Shin
Conference on Neural Information Processing Systems (NeurIPS), 2023
- [P1] **MobileSafetyBench: Evaluating Safety of Autonomous Agents in Mobile Device Control**
Juyong Lee*, Dongyoon Hahm*, June Suk Choi*, W. Bradley Knox, Kimin Lee
Preprint

Experience

Adobe Research (San Jose, CA) <i>Selected Research Intern / Host: Dr. Long Mai</i> (Formal process to begin in October 2025)	Jan. 2026 – Apr. 2026 (Upcoming)
PLUME.D Chief Technology Officer (CTO) and Co-founder <ul style="list-style-type: none"> ◦ Led the technical vision and development of AvaKit, the company's core product, securing KRW 1B (approx. USD 700K) in private and government funding while serving as the CTO. ◦ 1st place (of 876 teams), <i>11th Chung Ju-Young Startup Competition</i> (largest private startup contest in Korea). ◦ 2nd place (of 5,420 teams), <i>K-Startup Grand Challenge 2022</i> (largest government startup contest in Korea). 	Jan. 2022 – Jan. 2023

Academic Services

- **Reviewer:** NeurIPS, ICML, CVPR, ACL, TMLR

Honors & Awards

Dean's List, KAIST College of Engineering (2020F)	Jan. 2021
National Science and Engineering Undergraduate Scholarship	May 2020