

# William June Suk Choi

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🇺🇸 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

<b>Korea Advanced Institute of Science and Technology (KAIST)</b> <i>Ph.D. Student in Artificial Intelligence</i>	Sep. 2023 - Feb. 2029 (Expected)
<b>Korea Advanced Institute of Science and Technology (KAIST)</b> <i>B.S. in Computer Science (summa cum laude)</i> <i>Graduated with <b>Rank 1</b> 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

- [P1] **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*
- [C6] **MobileSafetyBench: Evaluating Safety of Autonomous Agents in Mobile Device Control**  
Juyong Lee\*, Dongyoon Hahm\*, June Suk Choi\*, W. Bradley Knox, Kimin Lee  
AAAI Conference on Artificial Intelligence, Special Track on AI Alignment (AAAI), 2026
- [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<sup>†</sup>, Sung Ju Hwang<sup>†</sup>  
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<sup>†</sup>, Kimin Lee<sup>†</sup>  
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

## Experience

<b>Adobe Research</b> (San Jose, CA) Research Scientist Intern / Host: Dr. Long Mai	Feb. 2026 – May. 2026
<b>PLUME.D</b> (Seoul, South Korea) Chief Technology Officer (CTO) and Co-founder <ul style="list-style-type: none"> <li>◦ Led the development of AvaKit, the company's core product, securing approx. USD 700K in funding.</li> <li>◦ <b>1st place</b> (of 876 teams), <i>11th Chung Ju-Young Startup Competition</i> (largest private startup contest in Korea).</li> <li>◦ <b>2nd place</b> (of 5,420 teams), <i>K-Startup Grand Challenge 2022</i> (largest government startup contest in Korea).</li> </ul>	Jan. 2022 – Jan. 2023

## Academic Services

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

## Honors & Awards

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