

EDUCATION	<b>Korea Advanced Institute of Science and Technology (KAIST)</b> <i>Integrated M.S./Ph.D. in Artificial Intelligence</i> • Advisor: Prof. Seungryong Kim • Research area: Computer Vision	Seoul, Korea 2024 - 2028 ( <i>expected</i> )
	<b>Korea University</b> <i>Integrated M.S./Ph.D. in Computer Science and Engineering</i> • Transferred to KAIST with supervisor (degree incomplete).	Seoul, Korea 2022 - 2024
	<b>Yonsei University</b> <i>B.S. in Computer Science</i>	Seoul, Korea 2018 - 2022
INTERNSHIPS	<b>Adobe Research</b>   San Jose, CA, USA • Mentors: Gabriel Huang, Joon-Young Lee	2024.06 - 2024.09
	<b>Adobe Research</b>   San Jose, CA, USA • Mentors: Joon-Young Lee, Gabriel Huang • Worked on ‘Revisiting Optical Flow for Long-Range Dense Tracking,’ CVPR 2024.	2023.06 - 2023.09
PUBLICATIONS	<ol style="list-style-type: none"><li>1. <b>Seokju Cho</b>, Jiahui Huang, Jisu Nam, Honggyu An, Seungryong Kim, and Joon-Young Lee, “Local All-Pair Correspondence for Point Tracking”, <i>European Conference on Computer Vision (ECCV)</i>, 2024.</li><li>2. <b>Seokju Cho</b>, Jiahui Huang, Seungryong Kim, and Joon-Young Lee, “FlowTrack: Revisiting Optical Flow for Long-Range Dense Tracking”, <i>IEEE Conference on Computer Vision Pattern Recognition (CVPR)</i>, 2024.</li><li>3. <b>Seokju Cho</b><sup>*</sup>, Heeseong Shin<sup>*</sup>, Sunghwan Hong, Anurag Arnab, Paul Hongsuck Seo, and Seungryong Kim, “CAT-Seg: Cost Aggregation for Open-Vocabulary Semantic Segmentation”, <i>IEEE Conference on Computer Vision Pattern Recognition (CVPR)</i>, <b>Highlight</b>, 2024.</li><li>4. Sunghwan Hong<sup>*</sup>, <b>Seokju Cho</b><sup>*</sup>, Seungryong Kim, Stephen Lin, “Unifying Feature and Cost Aggregation with Transformers for Dense Correspondence”, <i>International Conference on Learning Representations (ICLR)</i>, 2024.</li><li>5. Jiuhn Song<sup>*</sup>, Seonghoon Park<sup>*</sup>, Honggyu An<sup>*</sup>, <b>Seokju Cho</b>, Min-Seop Kwak, Sungjin Cho, and Seungryong Kim, “DäRF: Boosting Radiance Fields from Sparse Inputs with Monocular Depth Adaptation”, <i>Neural Information Processing Systems (NeurIPS)</i>, 2023.</li><li>6. Jihye Park<sup>*</sup>, Sunwoo Kim<sup>*</sup>, Soohyun Kim<sup>*</sup>, <b>Seokju Cho</b>, Jaejun Yoo, Youngjung Uh, and Seungryong Kim, “LANIT: Language-Driven Image-to-Image Translation for Unlabeled Data”, <i>IEEE Conference on Computer Vision Pattern Recognition (CVPR)</i>, 2023.</li><li>7. Junyoung Seo<sup>*</sup>, Gyuseong Lee<sup>*</sup>, <b>Seokju Cho</b>, Jiyoung Lee, Seungryong Kim, “MIDMs: Matching Interleaved Diffusion Models for Exemplar-based Image Translation”, <i>AAAI Conference on Artificial Intelligence (AAAI)</i>, 2023.</li><li>8. <b>Seokju Cho</b><sup>*</sup>, Sunghwan Hong<sup>*</sup>, Seungryong Kim, “CATs++: Boosting Cost Aggregation with Convolutions and Transformers”, <i>IEEE Trans. on Pattern Analysis and Machine Intelligence (TPAMI)</i>, 2023.</li></ol>	

9. Sunghwan Hong, Jisu Nam, **Seokju Cho**, Susung Hong, Sangryul Jeon, Dongbo Min, and Seungryong Kim, “Neural Matching Fields: Implicit Representation of Matching Fields for Visual Correspondence”,  
*Neural Information Processing Systems (NeurIPS)*, 2022.
10. Sunghwan Hong\*, **Seokju Cho**\*, Jisu Nam, Stephen Lin, Seungryong Kim, “Cost Aggregation with 4D Convolutional Swin Transformer for Few-Shot Segmentation”,  
*European Conference on Computer Vision (ECCV)*, 2022.
11. **Seokju Cho**\*, Sunghwan Hong\*, Sangryul Jeon, Yunsung Lee, Kwanghoon Sohn, Seungryong Kim, “CATs: Cost Aggregation Transformers for Visual Correspondence”,  
*Neural Information Processing Systems (NeurIPS)*, 2021.

#### AWARDS AND HONORS

- **Google East Asia Student Travel Grants for CVPR**, 2024.06
- **3rd Place Award in AI Online Competition**, Ministry of Science and ICT & National IT Industry Promotion Agency, *Won 300M KRW*, 2023.05

#### SKILLS

**Languages:** Korean (Native), English (Professional).  
**Programming:** Python, C++, MATLAB.

#### ACADEMIC SERVICES

**Reviewers for:** CVPR (2023, 2024),  
 ECCV (2024),  
 NeurIPS (2023).