

Seoyeon Kim

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Chungam-Ro 77, POSTECH, Pohang-Si, Republic of Korea (37673)

EDUCATION	POSTECH , Pohang, Republic of Korea	
	▪ M.S. in Computer Science and Engineering	Sep 2022 – Present
	• GPA 4.15/4.30	
	▪ B.S. in Computer Science and Engineering	Feb 2018 – Aug 2022
	• GPA 3.91/4.3 (Summa Cum Laude)	
	City of London Freeman's School , Surrey, United Kingdom	
	▪ Sixth Form	Sep 2015 – Jun 2017
	• 4 A*s in A-levels (Mathematics, Further Mathematics, Physics, Chemistry)	
RESEARCH EXPERIENCE	Computer Vision Lab. , Pohang, Republic of Korea	
	▪ Graduate Student (Advisor: Prof. Suha Kwak)	Sep 2022 – Present
	• Published Frozen CLIP Adaptation framework for Referring Image Segmentation	
	▪ Undergraduate Research Intern (Advisor: Prof. Jaesik Park)	Feb 2021 – Aug 2022
	• Developed Sample-Aware Occlusion Network for Intelligent Data Augmentation	
	• Proposed Patch-wise Matching Framework for Self-Supervised Learning in Vision Transformers	
PUBLICATIONS	▪ Seoyeon Kim, Minguk Kang, Jaesik Park, "RISCLIP: Referring Image Segmentation Framework using CLIP", arxiv, 2023.	
	▪ Seoyeon Kim, Minguk Kang, Jaesik Park, "Patch Aware Matching for Vision Transformer based Self-Supervised Learning Frameworks", In <i>Image Processing and Image Understanding (IPIU)</i> , Bronze Award, 2023.	
AWARDS & SCHOLARSHIP	First Place in Research Project I Course , POSTECH	
	▪ Won best award for outstanding research effort	Spring 2021
	National Science and Engineering Scholarship , Korea Student Aid Foundation	
	▪ Received two years full scholarship for academic excellence	Feb 2020 – Jun 2022
	Global Leadership Program , POSTECH	
	▪ Received CSE scholarship twice for academic potential (4K USD)	Mar 2020, Mar 2021
INTERNSHIPS	Hyundai Motors Group	
	▪ Research Intern	Jun 2021 – Sep 2021
	• Incorporated Object Detection network into company's software	
	• Engineered effective neural style transfer model by analysing and combining image-to-image translation modules	
TEACHING ASSISTANT	Computer Vision , POSTECH	
	▪ Authored and evaluated examinations and group projects	Fall 2023
	Introduction to Artificial Intelligence I , POSTECH	
	▪ Conducted weekly review sessions to address complex concepts and questions	Spring 2021
PROFICIENCIES	Languages	
	▪ Bilingual in English and Korean	
	Programming	
	▪ Proficient at C, C++, Python	
	▪ Experienced in PyTorch	