

Kyuhwan Shim

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EDUCATION	Seoul National University , Seoul, Korea Master Student in Graduate School of Artificial Intelligence Sogang University , Seoul, Korea Bachelor of Engineering in Computer Science Chungnam Science High School , Chungnam, Korea	Sep 2024 – Present Mar 2019 – Aug 2024 Mar 2016 – Feb 2019
RESEARCH EXPERIENCE	LG AI Research Research Scientist Intern Universität Bonn, Deutschland Visiting Student Researcher, Autonomous Intelligent Systems Group Seoul National University Undergraduate Student Researcher, Biointelligence Lab ExploreCSR, Graduate School of Data Science & Google Research	Nov 2025 – Presents Jul 2024 – Aug 2024 Dec 2023 – Aug 2024 Dec 2023 – Feb 2024
WORK EXPERIENCE	TIDYBOY-DSPL , Seoul, Korea ▪ Robocup2024 Team from Seoul National University, Pusan National University ▪ Developed Robot Vision Pipeline for real-time environment understanding Nota Inc. , Seoul, Korea Machine Learning Engineer Intern ▪ Developed Vision-based Pipeline Models for Intelligent Traffic System on Edge Device ▪ Construct Datalake and ML Pipeline on AWS and GCP OCONNECT , Ulsan, Korea Co-Founder, Chief Design & Operating Officer ▪ [LINK] UNIST Based Student Venture which makes Easy-Insert Socket, OneStep ▪ R&D Didimdol, JAMES DYSON AWARD, Pre-startup Package, Youth Entrepreneurship Academy Yeongdong Firestation , Yeongdong, Chungbuk, Korea Conscripted Firefighters (Military Duty)	Mar 2024 – Aug 2024 Vision Engineer Mar 2023 – Aug 2023 Jun 2020 – Feb 2023 Aug 2020 – Apr 2022
AWARDS &ACTIVITIES	Encouragement Award , Seoul National University Finalist (Top 3) , Robocup Federation Finalist (Top 2) , Seoul National University Top 30 & Talent Pool , Samsung Advanced Institute of Technology & DACON Top 30 , LG AI Research & Ministry of Employment and Labor Grand Prize , Gangseo-gu Office Grand Prize , National Information Society Agency, Ministry of Science and ICT Excellence Award , Chungnam Science Fair (64th) Special Prize , Chungnam Science Fair(63th)	2024, 2025 Aug 2024 2024 Sep 2023 Sep 2023 2023 2022 2018 2017
SCHOLARSHIPS	SNU AI Fellowship , Seoul National University Sogang University Alumni Scholarship , Sogang University Alumni Association Priest Villarreal Memorial Smilegate Scholarship, General Scholarship, Startup Talents Scholarship Albatross SW Scholarship , Sogang University	2024 2022-2024 2019
MEDIA	Excellence Paper Award in the Undergraduate Division at KCC 2024 , Sogang People 'Nunettine' wins Grand Prize at Gangseo-gu Big Data Contest , Sogang People 'DAVENGERS' wins BIGCONTEST Data Analytics Innovation League , Sogang People UNIST venture 'OCONNECT' wins James Dyson Awards 2022 , UNIST Press	Jun 2024 May 2023 Dec 2022 Sep 2022

PUBLICATIONS**INTERNATIONAL CONFERENCE**

- [C2] **Mixture of Action Queries for Action Chunking Policies**, Anonymous Authors..., Kyuhwan Shim, ...
ICRA 2026 (Under Submission)
- [C1] **CLIP-RT : Learning Language-Conditioned Robotic Policies from Natural Language Supervision**, Gi-Cheon Kang*, Junghyun Kim*, Kyuhwan Shim, Jun Ki Lee[†], Byoung-Tak Zhang[†]
Robotics: Science and Systems (RSS), 2025
Conference of Robot Learning (CoRL) 2024, Workshop on Language and Robot Learning

DOMESTIC JOURNALS

- [D4] **Scaling Language-Conditioned Policies with Fast and Lightweight Architectures**, Junghyun Kim*, Gi-Cheon Kang*, Kyuhwan Shim, Eungseo Kim, Jun Ki Lee[†], Byoung-Tak Zhang[†]
Korea Computer Congress 2024
¶ Excellent Presentation Award
- [D3] **Generalizing Language-Conditioned Robotic Policies via Large Language Models**, Junghyun Kim*, Gi-Cheon Kang*, Kyuhwan Shim, Eungseo Kim, Jun Ki Lee[†], Byoung-Tak Zhang[†]
Korea Computer Congress 2024
¶ Excellent Presentation Award
- [D2] **Stochastic Trajectory Diversification for Language-based Robot Action Learning**, Junghyun Kim*, Gi-Cheon Kang*, Kyuhwan Shim, Jun Ki Lee[†], Byoung-Tak Zhang[†]
Korea Software Congress 2024
¶ Excellent Presentation Award
- [D1] **KIRINO: An Interactive Chatbot System for User Persona**, Geon Choi*, Ganghun Kim*, Hyunjae Kim*, Kyuhwan Shim, Myoungwan Koo[†]
Korea Computer Congress 2024
¶ Excellent Paper Award

TEACHING EXPERIENCE

Artificial Intelligence (4190.408) , Seoul National University	Mar 2025 – Jun 2025
Translation Volunteer , Khan Academy & Chungnam Science High School	Jun 2017 – Dec 2017

SPEECH

- [PDF] Seminar Samsung DACON Challenge - Domain Adaptation @ Release(Sogang CS) Dec 2023
- [PDF] Seminar Dive into YOLOv8 @ Nota Inc. Mar 2023
- [PDF] Undergraduate Speech at Carbon Neutral Workshop @ Shinhan Card & World Bank 2023