

Kyuhwan Shim

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🌐 <https://underthelights.github.io>
in kyuhwan-shim

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