Cheolhong Min

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EDUCATION

Seoul National University (Seoul, Korea)   Sep. 2024 - Present
Ph.D., Computer Science and Engineering
- Advisor: Prof. Jaesik Park

Yonsei University (Seoul, Korea)   Sep. 2022 - Aug. 2024
M.S., Artificial Intelligence   GPA: 4.07 / 4.3
- Advisor: Prof. Jonghyun Choi

Yonsei University (Seoul, Korea)   Mar. 2016 - Feb. 2022
B.S., Nano Science and Engineering and Electrical and Electronic Engineering GPA: 3.47 / 4.3 (Major GPA: 3.68 / 4.3)

EXPERIENCE

LG Electronics   Seoul, Korea

- Researcher (Vision Software Unit)   Mar. 2022 - Aug. 2022

PUBLICATIONS

Pre-emptive Action Revision by Environmental Feedback for Embodied Instruction Following Agents
Jinyeon Kim*, **Cheolhong Min***, Byeonghwi Kim and Jonghyun Choi
CoRL 2024 pdf project page (* Equal contribution)

ReALFRED: An Embodied Instruction Following Benchmark in Photo-Realistic Environments
Taewoong Kim*, **Cheolhong Min***, Byeonghwi Kim, Jinyeon Kim, Wonje Jeung and Jonghyun Choi
ECCV 2024 pdf project page (* Equal contribution)

Context-Aware Planning and Environment-Aware Memory for Instruction Following Embodied Agents
Byeonghwi Kim, Jinyeon Kim, Yuyeong Kim, **Cheolhong Min** and Jonghyun Choi
ICCV 2023 pdf project page

PROJECTS

Object Detection with ROS   CILAB, Yonsei University
- Thesis Advisor: Prof. Euntai Kim

- Developing Efficient Object Detector for Small Mobile Devices and Applying Human Following Algorithm on Kobuki using ROS.   Jul. 2021 - Dec. 2021

Development of an Autonomous Driving Assistant Robot using a Robot Arm   Roboin, Yonsei University

- Controlling the robot's movement using a map created by SLAM and navigation algorithm and using the robot arm to grab an object.   Jul. 2021 - Nov. 2021

AWARDS, HONORS AND SCHOLARSHIP

1st Place on Generalist Language Grounding Agents Challenge   Embodied AI Workshop, CVPR 2023
ECLAIR: Event-Cognizant Language Interaction Robots

- A Challenge that encourages the development of generalist language grounding agents.   Jun. 2023

Excellence Award in Student Team and Club Competition   Ministry of Education, Seoul Korea

- A competition to cultivate leaders who will lead mobility research and industry based on the convergence of artificial intelligence and IoT technologies.   Nov. 2021

High Honor   Yonsei University

- GPA scholarships given to those with excellent grades.   Aug. 2020

SKILLS

- **Programming Languages:** Python
- **Deep Learning:** Pytorch, Tensorflow
- **Tools:** Unity, Amazon Mechanical Turk
- **Communication:** Korean (native), English (fluent)