

# Cheolhong Min

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## EDUCATION

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**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

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**LG Electronics** Seoul, Korea  
• Researcher (Vision Software Unit) Mar. 2022 - Aug. 2022

## PUBLICATIONS

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**Pre-emptive Action Revision by Environmental Feedback for Embodied Instruction Following Agents**  
Jinyeon Kim\*, **Cheolhong Min\***, Byeonghwi Kim and Jonghyun Choi  
CoRL 2024 (\* indicates 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 (\* indicates 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

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**Object Detection with ROS** CILAB, Yonsei University  
- Thesis Advisor: Prof. Euntae 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

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**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

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