

Seung Hyeon PARK

PERSONAL DATA

Graduate Student
Robotics Lab., Department of Mechanical Engineering,
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RESEARCH INTERESTS

Rehabilitation Robot

- Leg rehabilitation robot for animals
- Cable-driven mechanisms
- Design of miniature devices

EDUCATION & STUDYING ABROAD

2024.03- Graduate student, Master course, Mechanical Engineering
Advisor: Prof. Kee Hoon KIM
Pohang University of Science and Technology (POSTECH), Pohang, Korea

2018.02-2024.02 B.S., Department of Mechanical Engineering,
Chungnam National University, Daejeon, Korea

2022.07-2022.08 Exchange student, Lakehead university (in the Canada)

AWARDS AND HONORS

2022.03 Encouragement Award, 2022 ICT PROJECT CONTEST

2023.10 Gold Award, 13th KSME Student Creative Design Competition (KSCDC 2023)

2022.08 충남인재육성재단 재능키움 장학생

2023.12 대전청년내일재단 성취 장학생

PUBLICATIONS

Domestic Journal Articles

1. **Seung Hyeon Park**, Min Chan Kim, Jun-Hyeok Yook, Hyun-Woo Kim, Ju Yeong Seo, Kyung-Min Lee "Development of Underactuated Adaptive Gripper with Tendon-Pulley Structure," *Trans. Korean Soc. Mech. Eng. A*.

PATENTS

1. (출원번호: 10-2023-0025670) 징검다리형 수력 발전 장치.
2. (출원번호: 10-2023-0027348) 물체 수거가 가능한 로봇청소기.

LANGUAGES, SKILLS AND ABILITIES

Languages	Korean (mothertongue) English (intermediate)
Computer Skills	C/C++, Python, Matlab, Simulink Ansys Workbench, ROS(Robot Operating System) SolidWorks
Hardware & Equipment	Embedded - Arduino Embedded - Jetson Nano Embedded - STM32 Embedded - PCB Circuit Design Manufacturing - 3D Printing (Filament & Resin) Manufacturing - Laser cutting
ETC.	President of Chungnam Univercity DFC Christian Club Blog Site: https://blog.naver.com/psm113511

INTERESTS AND ACTIVITIES

Tennis, Meditation