

Jae Won BYUN

PERSONAL DATA

MARCH Lab., Department of Mechanical Engineering,
Pohang University of Science and Technology (POSTECH)
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RESEARCH INTERESTS

- **Autonomous Robot**
- **System Integration**
- **Force Control**
- **Mobile Manipulation**

PUBLICATIONS

[1] Jaewon Byun, and Keehoon Kim. "Benefits of Employing Surface Electromyography Signals for Power-Assisted Control from an Agility Perspective." IEEE Access (2024).

EDUCATION & INTERNSHIP & STUDYING ABROAD

2022.09-PRESENT Ph.D. Student
Advisor: Prof. Kee Hoon KIM

2021.03-2022.08 M.S. in Department of Mechanical Engineering, POSTECH
Advisor: Prof. Kee Hoon KIM

2017.02-2021.02 B.S., Major in Department of Mechanical Engineering, POSTECH
Minor in Economics and Finance, POSTECH

2020.03-2020.12 Internship, MARCH Lab. (POSTECH)
Advisor: Prof. Kee Hoon Kim

2019.07-2019.08 Internship, Samsung electronics
2018.06-2018.08 Internship, Femtobiomed

LANGUAGES, SKILLS AND EXPERIENCES

Languages Korean (mother tongue)
English (intermediate)

Computer Skills MATLAB, C/C++, Python, TwinCAT, Pybullet
Visual Studio MFC, Solidworks, SketchUp
Adobe Photoshop & Premiere & After effect

Hardware Manipulator(Indy, franka Emika)
RealSense RGB-D Camera
Wireless sEMG-motion sensors (LogonU, Delsys)
3D printing, Laser cutting, Lathe, Milling Machine
DAQ devices (National Instruments)

Experiences. Soccer club ELEVEN
POSTECH Broadcast System(PBS)
POSTECH Residential college Advisor