

# Junyong Park

✉ jyp0802@kaist.ac.kr • 🌐 junyong.xyz

**Research Interests:** Wearable Applications, Artificial Intelligence, Human-Computer Interaction

## Education

---

**KAIST (Korea Advanced Institute of Science and Technology)**

*Ph.D. in School of Computing (Advisor: Sungho Jo)*

- GPA: 4.02/4.3

**Dajeon, S.Korea**

*Mar.2020 - Present*

**KAIST (Korea Advanced Institute of Science and Technology)**

*M.S. in School of Computing (Advisor: Sungho Jo)*

**Dajeon, S.Korea**

*Sep.2018 - Feb.2020*

**KAIST (Korea Advanced Institute of Science and Technology)**

*B.S. in School of Computing*

- Graduated with Honors (Cum Laude)
- Exchange student in UCSC, 2017 Summer

**Dajeon, S.Korea**

*Sep.2014 - Aug.2018*

## Publications

---

**[c.4] Silent Impact: Tracking Tennis Shots from the Passive Arm**

*Junyong Park, Saelyne Yang, Sungho Jo*

UIST 2024: ACM Symposium on User Interface Software and Technology

**[j.2] Asynchronous Motor Imagery BCI and LiDAR-based Shared Control System for Intuitive Wheelchair Navigation**

*Jin Woo Choi, Junyong Park, Sejoon Huh, Sungho Jo*

IEEE Sensors 2023

**[j.1] Maximization and restoration: Action segmentation through dilation passing and temporal reconstruction**

*Junyong Park, Daekyum Kim, Sejoon Huh, Sungho Jo*

Pattern Recognition 2022

**[c.3] A Robot Capable of Proactive Assistance through Handovers for Sequential Tasks**

*Nayoung Oh, Junyong Park, Ji Ho Kwak, Sungho Jo*

International Conference on Ubiquitous Robots (UR) 2021

**[c.2] Dynamic Humanoid Locomotion Over Rough Terrain With Streamlined Perception-Control Pipeline**

*Moonyoung Lee, Youngsun Kwon, Sebin Lee, JongHun Choe, Junyong Park, Hyobin Jeong, Yujin Heo, Min-su Kim, Jo Sungho, Sung-Eui Yoon, Jun-Ho Oh*

IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) 2021

**[c.1] A SLAM Integrated Hybrid Brain-Computer Interface for Accurate and Concise Control**

*Junyong Park, Jin Woo Choi, Sungho Jo*

International Winter Conference on Brain-Computer Interface 2019

## Honors & Awards

---

**Encouragement Award**

*SW Talent Festival, hosted by the Ministry of Science and ICT*

2018

**Dean's list**

*School of Computing, KAIST*

*Fall 2016, Fall 2017*

**LINE Scholarship**

*Scholarship given to selected students in the department*

2017

## Academic Services

---

**Reviewer**

- IROS 2024

## Teaching

---

### Teaching Assistant

- **Introduction to Programming**  
*KAIST CS101, Instructor: Key Sun Choi* *Spring 2021, Fall 2021*
- **Intelligent Robotics**  
*KAIST CS572, Instructor: Sungho Jo* *Fall 2018, Fall 2020*
- **Intelligent robot design and programming**  
*KAIST CS270, Instructor: Sungho Jo* *Spring 2019, Spring 2020*
- **Data Structure**  
*KAIST CS206, Instructor: Byung Hyung Kim* *Fall 2019*

### Mentoring

- **URP Mentor**  
*KAIST Undergraduate Research Program* *Spring 2021, Spring 2022*
- **SoC Co-op Mentor**  
*KAIST SoC Internship Program* *Summer 2020, Winter 2020, Summer 2021, Winter 2021*
- **HRP Mentor**  
*KSA Highschool Research Program* *2020, 2021*
- **Senior DS Mentor**  
*Samsung SDS Senior DS Education Program* *Jan.2020 - May.2021*
- **Pre-URP Mentor**  
*GIFTED Creative Research Program* *Winter 2018, Winter 2020*

## Skills

---

### Programming

- Python, C++, Java, PyTorch

### Languages

- Korean (native), English (native)