

Sungjae Park

(+1) 412-606-2379 sungjae2@andrew.cmu.edu rureadyo.github.io

Education

Carnegie Mellon University: Sep. 2024 – Current
M.S. Robotics (Advisor: **Shubham Tulsiani**)

Seoul National University: Mar. 2017 – Aug. 2023
B.S. in Department of Mechanical Engineering (Double Major in Mathematics), **Total GPA: 4.23/4.3**
Graduated **1st place** in Mechanical Engineering Department, **2nd place** in Engineering Department among fall graduates.

* Leave of absence for military service: Apr. 2019 – Feb. 2021

Publications

- **Sungjae Park***, Seungho Lee*, Mingi Choi*, Jiye Lee, Jeonghwan Kim, Jisoo Kim, Hanbyul Joo. Learning to Transfer Human Hand Skills for Robot Manipulations, Preprint, 2024.
- DROID Dataset Team. DROID: A Large-Scale In-the-Wild Robot Manipulation Dataset, Robotics: Science and Systems (RSS), 2024.
- Open X-Embodiment Collaboration. Open X-Embodiment: Robotic Learning Datasets and RT-X Models, International Conference on Robotics and Automation (ICRA), 2024.

Research Experience

Physical Perception Lab, Research Assistant Sep. 2024 – Present
Advisor: **Shubham Tulsiani**

SNU Visual Computing Lab, Research Intern Feb. 2024 – Aug. 2024
Advisor: **Hanbyul Joo**
• Developed a framework for dexterous manipulation from human motion capture data.

Cognitive Learning for Vision and Robotics Lab, Research Intern Jul. 2022 – Dec. 2023
Advisor: **Joseph J. Lim**
• Participated in a research collaboration for large, diverse, high-quality robot manipulation datasets as a lab lead.

SNU Robotics Lab, Undergraduate Thesis Intern Mar. 2022 – Jun. 2022, Sep. 2022 – Dec. 2022
Advisor: **Frank C. Park**
• Developed cross-embodiment learning algorithm with object-centric motion planning.
• Awarded **Outstanding BS Thesis Presentation Award**

Scholarships

Kwanjeong Overseas Fellowship | 2-year support for M.S. studies Present
Presidential Science Scholarship Mar. 2021 – Dec. 2022
Gangwon-do Future Talent Natural Science Field Selection Scholarship Jan. 2018 – Dec. 2022
Full-funded scholarship for academic excellence Mar. 2018 – Feb. 2019, Mar. 2021

Awards and Honors

Outstanding BS Thesis Presentation Award Dec. 2022
2nd place, International Design Contest Robocon Aug. 2018

Services

Reviewer | NeurIPS, ICLR, ICRA

Teaching Experience

Teaching Assistant | Introduction to Robotics Mar. 2022 – Jun. 2022
Undergraduate Tutoring | Linear Algebra 1 Mar. 2021 – Jun.2021
Undergraduate Tutoring | Physics 1,2 Mar. 2018 – Dec. 2018, Mar. 2021 – Dec.2021

Skills

Language: C++, Python, Java
Libraries/Frameworks: Pytorch, ROS, YOLO, SMACH
Modeling: SolidWorks

English Proficiency

GRE: Verbal Reasoning 160/170, Quantitative Reasoning 170/170, Analytical Writing 4.0/6.0
TOEFL: 114/120 (Reading 29/30, Listening 30/30, Speaking 27/30, Writing 28/30)