

Yunju Lee

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EDUCATION

Woosong University, Rep. of Korea

Sep. 2019 ~ Aug.2021

M.S. in IT Convergence, (GPA: 4.44/4.5)

Woosong University, Rep. of Korea

Mar. 2015 ~ Aug.2019

B.S. in Global Hotel Management, 2019 (GPA: 3.35/4.5)

RESEARCH EXPERIENCES

Student Researcher

Oct. 2019 ~ Aug.2021

Ph.D. Hyunmin Do, *Department of Robotics and Mechatronics*, KIMM

- Object classification only using tactile sensor data by grasping objects with Barrett Hand.
- Object classification using point cloud data from depth camera, using Point net.
- Part segmentation, point cloud data divide into two parts, object and background.
- Detect car fuel charging port using 2d images and calculate distance from camera to charging port.
- Camera viewer which shows RGB image, depth image, point cloud data, and non-background object image in real-time make.

Ph.D. Taeyoung Choi, *Department of Robotics and Mechatronics*, KIMM

- Robot operate to perform move object and release into goal.
- Creating robot orbit to perform packaging objects in box.
- 3D robot simulation which controlled by each joint's angle.
- 3D situation point moving using by phantom omni device.
- Robot controller make using by phantom omni device.

EXPERTISE

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- Programming Languages C/C++, Python, Win32, Unity, Keras, R, DBMS, Android, JAVA
 - Language skills English, Japanese, Chinese
 - Certification Data Processing Engineer, J1, 新HSK3, TOEIC 725

PUBLICATIONS

- [Conference] Lee Yun Ju, and Taeyong Choi, Hyunmin Do (2020), Analysis of Feature Scaling Method in Deep Learning-based Single Grasp Object Classification, ICCAS(International Conference on Control, Automation and Systems)

AWARDS AND HONORS

- 2019 Winter SW combine creatvie camp, Big Data, AI project, 2nd award (Dec. 2019)
- School Programming Competition, 2nd award (Jul. 2019)
- China International Software Expo 2019, Big Data Application part, 2nd award (Jun. 2019)
- School programming Competition, 2nd award(Jul. 2019)

Additional Experience

- 2019 Winter SW combine creatvie camp (Dec. 2019)
- Student Researcher at KIMM (Oct. 2019 ~ Aug. 2021)
- BIT Advanced course (Mar. 2018 ~ Aug. 2019)
- BIT short-term course (Dec.2018 ~ Feb. 2018)
- Internship in Saipan, work in hotel front desk (Feb. 2018 ~ Aug. 2018)
- Working Holiday to Japan, work in hotel front desk as concierge (Oct. 2016 ~ Sep. 2017)