



許瑋庭

WEITING, LILY, HSU

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Programming

- C / C++
- C#
- Java
- Python

Skills

- ROS (Robotic Operating System)
- OpenCV
- PCL (Point Cloud Library)
- Pytorch
- Gazebo
- Unity

Languages

- Chinese (native)
- English (fluent)

Hi, I'm Lily. I am an extrovert and looking forward to a new challenge and an opportunity to use my ability and experience in my first job. For more information, please visit my [personal website](#).

Education

M.S. in Graduate Degree Program of Robotics,
National Chiao Tung University (NCTU), Taiwan. 2019/9 - present

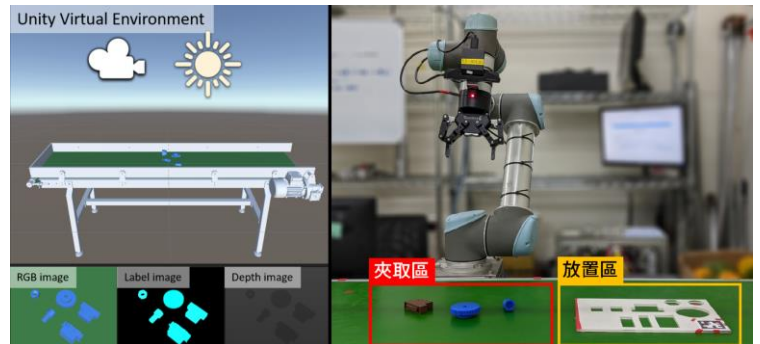
B.S. in Electrical and Computer Engineering (ECE),
National Chiao Tung University (NCTU), Taiwan. 2015/9 - 2019/6

Class for the Math and Science Gifted students,
National Hsinchu Girls' Senior High School (HGSB). 2012/9 - 2015/6

Research

During my research period in institute, I specialize in robotic manipulation, deep learning for computer and robotic vision and synthetic data.

My thesis is using Unity to generate virtual dataset, which can overcome the reality gap problem, for training Mask R-CNN model to detect the electronic components. Finally, achieve an automatically pick and place system in real world by using this robotic vision.



Extracurricular Activities

Leadership

- 2016 NCTU Drama Cup - actress and director
- 2017 NCTU ECE Camp - Leader of Enrollment and Instructor
- 2018 Student Association of ECE Department - Minister of Human Resources \ NCTU ECE Night - Vice Coordinator

Presentation

- ECE graduation ceremony, AI Driving Olympics open ceremony, Lab unveiling ceremony and press conference - Emcee
- GSAT Group interview - Experience Sharing Representative

Teaching Assistant Experience

- Creative Software Project (Fall 2017)
- Human Centric Computing (Spring 2019)
- Introduction to Artificial Intelligence (Fall 2019)
- Sensing and Intelligent Systems (Spring 2020)