Changyo LEE
Student

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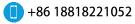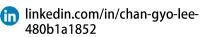
"Innovative, teamwork-oriented, Provide the best solution to the customers" it is my attitude I have always had since I majored in engineering. I studied Mechanical Engineering in the bachelor's and master's program, and have experience in providing new value by participating in many projects such as ROS Programming, Data Fusion, SLAM, Machine Vision, Troubleshooting simple/complex issues of Robot, and Implementing new features based on user feedback. In addition, Native Korean, with professional working proficiency in Chinese and English.

EDUCATION

❑ Master's Degree In Mechanical Engineering
Shanghai Jiao Tong University
Shanghai, China (2018-2021)
Courses:
Digital Signal Processing, Machine Vision, Mechanical system Dynamics, Mechatronics, Performance Simulation and Control of Robot, Optimization methods, Matrix Theory, Elastic & plastic Mechanics
Project:
- Library Assistant mobile Robot

❑ Bachler's Degree In Mechanical Engineering
Seoul National University of Science and Technology
Seoul, Korea (2010-2018)
Courses:
Computer Language, MEMS, Statics, CAD, Thermodynamics, Dynamics, Electric, Electronic, Engineering Mathematics, Numerical Analysis, Fluid Mechanics, etc.
Project:
- Smart stick for blind using Arduino kit

❑ Winter Semester Exchange Student
Huazhong University of Science and Technology
Wuhan, China (2015 — 2 months)

❑ 1 Year Exchange Student
Harbin Far East Institute of Technology
Harbin, China (2016 — 1 year)
Project:
- Autonomous wall painting robot

WORK EXPERIENCE

❑ Graduate Student Researcher
Robot Control and Machine Vision LAB
Shanghai Jiao tong university
(2018 — 2021, Full-time)
Task/Responsibility
- Design Semantic SLAM Based on ORB-SLAM2 with yolov3
- Design Fast Frontier-based Exploration and navigation system
- Design Robots in ROS

❑ Journalist
Shanghai Edu News
Shanghai, china (2020 — 5 months, Part-time)
Task/Responsibility
- Translate(Chinese-Korean)
- Web Crawling in python

❑ Interpreter
2018 Weplay Game Expo
Shanghai China (2018— 3 days, Part-time)
Task/Responsibility
- B2C Translation(Korean-English-Chinese)

❑ Technical Support Engineer
Kohyoung Technology(
Seoul, Korea (2018— 6 months, Full-time)
Task/Responsibility
- Trouble shooting HW/SW of semi conductor inspection equipment(AOI, SPI)
- SW/HW Test

❑ Research Assistant
Micro Interfacial Flow and Visualization LAB
Seoul National University of science and technology (2017 — 1 year, Full-time)
Task/Responsibility
- Assist Graduate-level student's research
- Project: Optimization of HVAC system

❑ Army
Republic of Korea Army
Gangwon-do, Korea (2011-2013, Full-time)
Task/Responsibility
- Defence Republic of Korea

PUBLICATIONS

❑ Asynchronous Fusion of Visual and Wheel Odometer for SLAM applications
Changyo lee, jichao peng
IEEE/ASME International Conference on Advance Intelligent Mechatronics, pp. 1990-1995, IEEE(2020)

Award and Honors

❑ Scholarship A
China Scholarship Council(2018-2021)
- *Support Full tuition, insurance*
- *Every months 3000RMB scholarship and 1200RMB living subsidy, etc.*
- *During Master Program*

❑ Win a Dreamer Award
Ecovacs Robotics 3rd Robot Design Competition Harbin, China(2016)
- *Link (http://robot.ecovacs.cn/thread-99539-1-sortid-1.html)*

❑ Win a Silver Medal in CNC Lathe
Seoul Skill Competition(2-times)
Seoul, Korea(2008)

Language

Korean(Native)
● ● ● ● ●

Chinese(新HSK6 205)
● ● ● ● ◐

English(Toeic 865)
● ● ● ● ◐

Programming

Python
● ● ● ● ◐

C++
● ● ● ● ◐

Matlab
● ● ● ◐ ◐

C#
● ● ◐ ◐ ◐

TOOL

ROS
● ● ● ● ◐

Solidwork
● ● ● ● ◐

Master CAM
● ● ● ◐ ◐

Blender
● ● ◐ ◐ ◐

Certification

Robotics issued by edX Columbia University

ROS for Beginners path issued by Robot ignite Academy