Changyo LEE
Student

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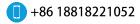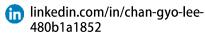in linkedin.com/in/chan-gyo-lee-480b1a1852

"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 professional working proficiency in Chinese and English.

EDUCATION

Seoul National University of Science and Technology
Bachler's Degree in Mechanical Engineering
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

Shanghai Jiao Tong University
Master's Degree in Mechanical Engineering
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, etc.
Project:
- Library Assistant mobile Robot

Huazhong University of Science and Technology
Winter semester Exchange Student
Shanghai, China (2015 — 2 months)

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

WORK EXPERIENCE

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

Micro Interfacial Flow and Visualization LAB
Research Assistant(full-time)
Seoul National University of science and technology
(2017 — 1 year)
Task/Responsibility
- Assist Graduate-level student's research
- CFD

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

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

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

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

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

Win a Silver Medal in CNC Lathe
Seoul Skill Competition
Seoul, Korea(2008)

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

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

Language

Korean(Native)

Chinese(新HSK6 205)

English(Toeic 865)

Programming

Python

C++

Matlab

C#

TOOL

ROS

Solidwork

Blender

Certification

Robotics issued by edX Columbia University

ROS for Beginners path issued by Robot ignite Academy