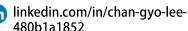


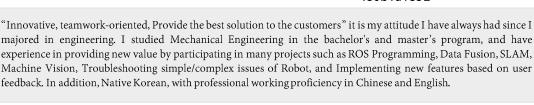
Changyo LEE Student

関 Shanghai, China

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+86 18818221052





EDUCATION

Master's Degree In Mechanical Engineering

Shanghai Jiao Tong University Shanghai, China (2018.08-2021.02)

Courses:

Digital Signal Processing, Machine Vision, Mechanical system Dynamics, Mechatronics, Performance Simulation and Control of Robot, Optimization methods, Matrix Theory, Elastic & plastic Mechanics Proiect:

Library Assistant mobile Robot

Thesis:

Fast-Frontier-based Exploration and Navigation using Semantic Applications

■ Bachler's Degree In Mechanical Engineering

Seoul National University of Science and Technology Seoul, Korea (2010.03-2018.02)

Courses:

Computer Language, MEMS, Statics, CAD, Thermodynamics, Dynamics, Electric, Electronic, Engineering Mathematics, Numerical Analysis, Fluid Mechanics, etc.

Project:

Smart stick for blinds using Arduino kit

Thesis:

Optimization method of HVAC System

☐ 1 Year Exchange Student

Harbin Far East Institute of Technology Harbin, China (2016.03 — 2016.12) Project:

Autonomous wall painting robot

☐ Winter Semester Exchange Student

Huazhong University of Science and Technology Wuhan, China (2015.01-2015.02)

WORK EXPERIENCE

Graduate Student Researcher

Robot Control and Machine Vision LAB Shanghai Jiao tong university (2018.09— 2020.09, 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 (2020.01 — 2020.05, Part-time)

Task/Responsibility

- Translate(Chinese-Korean)
- Web Crawling in python

□ R & D Intern

Midea

Shanghai China (2020.09— Present, 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

□ Towed artillery Maintenance Soldier

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-<u>sortid-1.html</u>)

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

Language

Korean(Native)



Chinese(新HSK6 205)

English(Toeic 865)





Python



Tensor Flow



Matlab



TOOL

ROS



Solidwork







Robotics issued by edX Columbia University

ROS for Beginners path issued by Robot ignite Academy