



Chan gyo, Lee

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Education

Mar 2010- Feb 2018	Seoul National University of Science and Technology ▪ Graduate B.A in Mechanical Engineering (GPA 3.5/4.5) <i>Relevant Coursework:</i> Computer Programming(Matlab, Labview, C++), MEMS, Thermodynamics, Dynamics, Electrical & Electronical Engineering, Engineering Mathematics, CAD, Heat Transfer, Fluid Mechanics, Engineering Mathematics, Manufacturing progress, Internal Combustion Engine, Engineering Optics, Numerical Analysis	Seoul, Korea
Jan 2015 Jan 2015	Huazhong University of Science and Technology ▪ Exchange Student (Winter Semester) <i>Relevant Coursework:</i> Learning Chinese and Culture	Wuhan, China
Mar 2016 Dec 2016	Harbin Far East Institute of Technology ▪ Exchange Student (1 Year) <i>Relevant Coursework:</i> Chinese, Hydraulic Transmission, Precision Design, Mechanical Drive and Control	Harbin, China
Sep 2018 ~ Now	Shanghai Jiaotong University ▪ Graduate engineer program in Mechanical Engineering, (GPA 2.98/4), Expected Graduation date: Mar 2021 <i>Relevant Coursework:</i> Digital Signal Processing, Mechanical System Dynamics, Performance Simulation and Control of Robot, Optimization Methods, Machine Vision, Linear Algebra, Mechatronics, Elastic & Plastic Mechanics	Shanghai, China

Work Experience

May 2011- Feb 2013	Republic of Korea Army ▪ Position: Army <i>Task/Responsibility :</i> <ul style="list-style-type: none">Operating M39 155mm Towed artilleryDefense Korean Territory	Seoul, Korea
Feb 2017- Dec 2017	Micro Interfacial Flow and Visualization Laboratory ▪ Position: Undergraduate-level researcher <i>Task/Responsibility :</i> <ul style="list-style-type: none">Assisted Senior researcherCFD Experiment <i>Project:</i> Research on Optimization of HVAC using CFD	Seoul, Korea
Jan 2018- Jun 2018	Kohyoung Technology ▪ Position: Technical Support <i>Task/Responsibility:</i> <ul style="list-style-type: none">HW/SW Issue Trouble Shooting	Seoul, Korea
Jan 2020-	上海月波广告有限公司 (shanghai Edu advertisement) ▪ Position: Data Engineer <i>Task/Responsibility:</i> <ul style="list-style-type: none">Web Crawling using Beatifulsoup in python.	Shanghai, China
Sep 2018- Mar 2021	Robot Control and Machine Vision Laboratory ▪ Position: graduate-level researcher <i>Task/Responsibility:</i> <ul style="list-style-type: none">Develop Slam (Semantic SLAM based on ORB-SLAM2 SLAM system and Yolov3)	Shanghai, China

- Develop Frontier-based Exploration in an unknown environment and navigation
- <https://youtu.be/rUtJTubiweA>
- Control Dual-arm manipulator in ros (<https://youtu.be/IS2WA1j4Uro>)
- Develop Object recognition and detection (<https://youtu.be/oHN6IxD7TDc>)
- Develop Hybrid motion planning algorithm(RRTs and Artificial potential field)

Project: Pick and Place, Object Detection, Slam, Exploration, Navigation

Award and Honors

Apr 2008-	Seoul City Technical skill Competition ▪ Silver prize on CNC lathe	Seoul, Korea
Sep 2008-	Seoul City High School Technical Skill Competition ▪ Silver prize on CNC lathe	Seoul, Korea
Jul 2016-	Ecovacs Robotics Competition ▪ The Excellent Robot Design award More detail: http://robot.ecovacs.cn/thread-99539-1-sortid-1.html	Harbin, China
Sep 2018- Mar 2021	China Scholarship Council ▪ ScholarShip - A Grade	Shanghai, China

Skills

Languages	Korean (Native Speaker) English (TOEIC 865/ OPIC Intermediate High Level at 2018) Chinese (HSK 6 205 score at 2018)
License	Certification of CNC Lathe Engineer Certification of Computer application (Excel, Word, PowerPoint) Certification of Air-Conditioning and Refrigerating System Engineer Certification of Korean history proficiency test for 1 st grade
Programming	Python, C++, ROS, SOLIDWORK, MASTERCAM

Social Activities

Sep 2014- Dec 2015	International Students Club ▪ Position: President <u>Relevant Activities:</u> Assisted international students to adjust to living in Korea	Seoul, Korea
Sep 2008-	International Students Union ▪ Position: Member <u>Relevant Activities:</u> Assisted international students to adjust to living in china	Shanghai, China