



## Chan gyo, Lee

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### Education

Mar 2007- Feb 2010	<b>Seoul IT High School</b> ▪ Graduate in the Top 10%	Seoul, Korea
Mar 2010- Feb 2018	<b>Seoul National University of Science and Technology</b> ▪ 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	<b>Huazhong University of Science and Technology</b> ▪ Exchange Student (Winter Semester) <i>Relevant Coursework:</i> Learning Chinese and Culture	Wuhan, China
Mar 2016 Dec 2016	<b>Harbin Far East Institute of Technology</b> ▪ Exchange Student (1 Year) <i>Relevant Coursework:</i> Chinese, Hydraulic Transmission, Mechanical Design, Mechanical Control	Harbin, China
Sep 2018 ~ Now	<b>Shanghai Jiaotong University</b> ▪ 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	<b>Republic of Korea Army</b> ▪ Position: Army  <i>Task/Responsibility :</i> <ul style="list-style-type: none"><li>• Operating M39 155mm Towed artillery</li><li>• Defense Korean Territory</li></ul>	Seoul, Korea
Feb 2017- Dec 2017	<b>Micro Interfacial Flow and Visualization Laboratory</b> ▪ Position: Undergraduate-level researcher <i>Task/Responsibility :</i> <ul style="list-style-type: none"><li>• Assisted Graduate-level researcher</li><li>• CFD Experiment</li></ul> <i>Project:</i> Research on Optimization of HVAC using CFD	Seoul, Korea
Jan 2018- Jun 2018	<b>Kohyoung Technology</b> ▪ Position: Technical Support <i>Task/Responsibility:</i> <ul style="list-style-type: none"><li>• HW/SW Issue Trouble Shooting</li></ul>	Seoul, Korea
Jan 2020-	<b>上海月波广告有限公司 (shanghai Edu advertisement)</b> ▪ Position: Data Engineer <i>Task/Responsibility:</i> <ul style="list-style-type: none"><li>• Web Crawling using Beatifulsoup in python.</li></ul>	Shanghai, China

Sep 2018- Mar 2021	<b>Robot Control and Machine Vision Laboratory</b> ▪ Position: graduate-level researcher <u>Task/Responsibility:</u> <ul style="list-style-type: none"> <li>Develop Slam (Semantic SLAM based on ORB-SLAM2 SLAM system and Yolov3)</li> <li>Develop Rapid Frontier-based Exploration in an unknown environment and navigation - <a href="https://youtu.be/rUtJTubiweA">https://youtu.be/rUtJTubiweA</a></li> <li>Control Dual-arm manipulator in ros ( <a href="https://youtu.be/IS2WA1j4Uro">https://youtu.be/IS2WA1j4Uro</a> )</li> <li>Develop Object recognition and detection ( <a href="https://youtu.be/oHN6IxD7TDc">https://youtu.be/oHN6IxD7TDc</a> )</li> </ul> <u>Project:</u> Pick and Place, Object Detection, Slam, Exploration, Navigation	Shanghai, China
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## Award and Honors

Apr 2008-	<b>Seoul skill Competition</b> ▪ Win the Silver Medal in CNC lathe	Seoul, Korea
Sep 2008-	<b>Seoul High School Skill Competition</b> ▪ Win the Silver Medal in CNC lathe	Seoul, Korea
Jul 2016-	<b>Ecovacs Robotics Competition</b> ▪ Win the Robot Desgin More detail: <a href="http://robot.ecovacs.cn/thread-99539-1-sortid-1.html">http://robot.ecovacs.cn/thread-99539-1-sortid-1.html</a>	Harbin, China
Sep 2018- Mar 2021	<b>China Scholarship Council</b> ▪ 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	CNC Lathe Engineer Computer application (Excel, Word, PowerPoint) Air-Conditioning and Refrigerating System Engineer
Certification	Certification of Korean history exam 1 <sup>st</sup> grade Certification of ROS for Beginners path issued by Robot ignite Academy Certification of Robotics issued by edX Columbia University
Programming	Python, C++, ROS, SOLIDWORK, Matlab, MASTERCAM

## Social Activities

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