Chan gyo, Lee

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Education

Mar 2007- Feb 2010	**Seoul IT High School** ▪ Graduate in the Top 10%	Seoul, Korea

Mar 2010- Feb 2018	**Seoul National University of Science and Technology** ▪ Graduate B.A in Mechanical Engineering （GPA 3.5/4.5）	Seoul, Korea

Relevant Coursework: 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

Jan 2015 Jan 2015	**Huazhong University of Science and Technology** ▪ Exchange Student (Winter Semester) *Relevant Coursework*: Learning Chinese and Culture	Wuhan, China

Mar 2016 Dec 2016	**Harbin Far East Institute of Technology** ▪ Exchange Student (1 Year) *Relevant Coursework*: Chinese, Hydraulic Transmission, Mechanical Design, Mechanical Control	Harbin, China

Sep 2018 ~ Now	**Shanghai Jiaotong University** ▪ Graduate engineer program in Mechanical Engineering, (GPA 2.98/4), Expected Graduation date: Mar 2021 *Relevant Coursework*: 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	Seoul, Korea

Task/Responsibility :
- Operating M39 155mm Towed artillery
- Defense Korean Territory

Feb 2017- Dec 2017	**Micro Interfacial Flow and Visualization Laboratory** ▪ Position: Undergraduate-level researcher *Task/Responsibility* :	Seoul, Korea

- Assisted Graduate-level researcher
- CFD Experiment

Project: Research on Optimization of HVAC using CFD

Jan 2018- Jun 2018	**Kohyoung Technology** ▪Position: Technical Support *Task/Responsibility:*	Seoul, Korea

- HW/SW Issue Trouble Shooting

Jan 2020-	**上海月波广告有限公司（shanghai Edu advertisement）** ▪Position: Data Engineer *Task/Responsibility:*	Shanghai, China

- Web Crawling using Beatifulsoup in python.

Sep 2018- Mar 2021	**Robot Control and Machine Vision Laboratory**	Shanghai, China

- Position: graduate-level researcher
  Task/Responsibility:
  - Develop Slam (Semantic SLAM based on ORB-SLAM2 SLAM system and Yolov3)
  - Develop Rapid 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)
  Project: Pick and Place, Object Detection, Slam, Exploration, Navigation

Award and Honors

Apr 2008-	**Seoul skill Competition**	Seoul, Korea

- Win the Silver Medal in CNC lathe

Sep 2008-	**Seoul High School Skill Competition**	Seoul, Korea

- Win the Silver Medal in CNC lathe

Jul 2016-	**Ecovacs Robotics Competition**	Harbin, China

- Win the Robot Desgin
More detail: http://robot.ecovacs.cn/thread-99539-1-sortid-1.html

Sep 2018- Mar 2021	**China Scholarship Council**	Shanghai, China

- ScholarShip
  - A Grade

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 exam 1st grade
Programming	Python, C++, ROS, SOLIDWORK, Matlab, MASTERCAM

Social Activities

Sep 2014- Dec 2015	**International Students Club**	Seoul, Korea

- Position: President
Relevant Activities: Assisted international students to adjust to living in Korea

Sep 2008-	**International Students Union**	Shanghai, China

- Position: Member
  Relevant Activities: Assisted international students to adjust to living in china