



Dohyun Lee

 [linkedin.com/in/do-hyun-lee](https://www.linkedin.com/in/do-hyun-lee)  leedo12663@snu.ac.kr

EDUCATION

Seoul National University	Mar 2018 - Present
<i>Bachelor of Science in Mechanical Engineering</i>	<i>Current GPA: 4.0/4.0</i>
Gyeonggi Science High School	Mar 2015 - Feb 2018
	<i>GPA: 4.11/4.3</i>

RELEVANT COURSEWORK

Courses: Engineering Acoustics (Graduate school), Mechanical System Modeling and Control, Mechatronics, Computer Simulation and Machine Learning (in progress), Introduction to Robotics, Machine Learning Fundamentals and Applications in Electrical and Computer Engineering, Signals and Systems, Mechanical Vibrations, Mechanical Product Design, Materials and Manufacturing Processes, Applied Thermodynamics, Creative Engineering Design

EXPERIENCE

Healthcare Robotics Lab, SNU <i>Research Intern (Advisor: Prof. Amy Kyungwon Han)</i>	Mar 2022 - Present
Topic: Tissue Sensing using Capacitive Interdigitated Sensor for Minimizing Nerve Injury during Minimally Invasive Endoscopic Spine Surgery	
Hyundai Motor Manufacturing Czech Winter Internship <i>Intern, Assembly Station</i>	Jan 2023 - Feb 2023
Topic: Complex replacement of seat manipulator and Automation Layout proposal	
Acoustics and Vibrations Laboratory, SNU <i>Research Intern (Advisor: Prof. Yeon June Kang)</i>	Mar 2022 - Jun 2022
Topic: Dynamic Substructuring using Virtual Point Transformation	
Samsung Winter Internship, Samsung Inc. <i>Intern, DX division</i>	Jan 2022 - Feb 2022
Topic: Development of navigation application in Seoul	

TEACHING

SNU, Fluid mechanics	Peer tutoring, Fall 2023
SNU, Dynamics	Peer tutoring, Fall 2023
SNU, Thermodynamics	Undergraduate Course Assistant (Advisor: Prof. Han Ho Song), Fall 2022
SNU, Thermodynamics	Peer tutoring, Spring 2022
SNU, Physics 2	Peer tutoring, Fall 2019
SNU, Physics 1	Peer tutoring, Spring 2019

AWARDS AND HONORS

Samsung-SNU Living Appliance Technology Idea Competition <i>2nd place</i>	July 2022
<ul style="list-style-type: none">Develop a robotic water purifier system that adjusts water level and temperature automaticallyArduino-based system, responsible for control	
Textbook Rewriting Competition, SNU <i>2nd place</i>	Jan 2022
<ul style="list-style-type: none">Topic: Revision on Bessel equationContest to correct and improve errors found in textbook content	
Department of Engineering Idea Challenge, SNU <i>1st place</i>	Spring 2022
<ul style="list-style-type: none">Topic: Responsive Web Design using HTML, CSS, JSContest to redesign the Department of Engineering website	
Best Tutors in Engineering, SNU <i>Given to 3 students</i>	Fall 2019
Silla Foundation Scholarship <i>Full-funding</i>	2019 - Present
Korean Mathematical Olympiad (KMO) <i>Silver Medal</i>	2016