




# Dohyun Lee

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

## EDUCATION

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

<b>Healthcare Robotics Lab, SNU</b>   <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	
<b>Hyundai Motor Manufacturing Czech Winter Internship</b>   <i>Intern, Assembly Station</i>	Jan 2023 - Feb 2023
Topic: Complex replacement of seat manipulator and Automation Layout proposal	
<b>Acoustics and Vibrations Laboratory, SNU</b>   <i>Research Intern (Advisor: Prof. Yeon June Kang)</i>	Mar 2022 - Jun 2022
Topic: Dynamic Substructuring using Virtual Point Transformation	
<b>Samsung Winter Internship, Samsung Inc.</b>   <i>Intern, DX division</i>	Jan 2022 - Feb 2022
Topic: Development of navigation application in Seoul	

## TEACHING

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

## AWARDS AND HONORS

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