

# Yunho Kim

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**Citizenship:** Republic of Korea

**Research interests** Legged robotics, Machine learning, Perception-driven locomotion

**Education** **Seoul National University** Seoul, Republic of Korea  
BA in Mechanical Engineering (GPA: 3.74/4.3) 2018.03 – Current

**Research experience** **CORE Lab (Control, Optimization Research Lab)**  
Position: Undergraduate researcher 2020.04 – 2020.07  
Advisor: [Insoon Yang](#) (Seoul National University)  
Implemented path tracking and planning algorithm for autonomous RC car navigation using PID control and IT-MPC (Information-Theoretic Model Predictive Control). (Check the result [here](#))

**RLLAB (Robot Learning Lab)**  
Position: Undergraduate researcher 2020.08 – 2021.03  
Advisor: [Songhwai Oh](#) (Seoul National University)  
Conducted research on language based human-robot interaction with the task of Multi-object Detection and Vision Language Navigation. (Check the result [here](#))

**INROL (Interactive and Networked Robotics Lab)**  
Position: Undergraduate researcher 2021.03 – 2021.06  
Advisor: [Dongjun Lee](#) (Seoul National University)  
Conducted research on learning multiple gaits of quadruped robots using hierarchical reinforcement learning. (Check the result [here](#))

**RAI LAB (Robotics and Artificial Intelligence Lab)**  
Position: Undergraduate researcher 2021.06 – 2021.09  
Advisor: [Jemin Hwangbo](#) (KAIST)  
Conducted research on perception-driven safe locomotion of quadruped robots in unknown complex environments using model-based reinforcement learning. (Check the result [here](#))

**Industry experience** **SAMSUNG C-LAB**  
Position: Intern 2020.01 – 2020.02  
Developed Android application prototype for sensing data and informing user via Bluetooth communication.

Teaching experience	<b>Teaching assistant (Seoul National University)</b> Course: Core of Computing - Python (Advisor: <a href="#">Jehee Lee</a> )	Spring 2021
Skills	<b>Programming</b> Python, C++  <b>CAD modeling</b> SOLIDWORKS, SketchUp  <b>Languages</b> Korean (fluent), English (advanced)	
Other experience	<b>Overseas volunteer work</b> Participated in the overseas volunteer work in Vietnam Binh Dinh three times, thanks to SNUSR volunteer program. We had built rainwater purification system for the citizens and students.	2018.05 – 2019.08
	<b>VESS club activity</b> Participated in VESS (Volunteering Engineers and Scientists in SNU) club activity. We had studied about Appropriate Technology (AT) and done lots of projects to solve social problems in our life.	2018.09 – 2020.02
	<b>President of 4th VESS club</b> Worked as a president of 4th VESS club. Planned and ran club activity for one year with other executives.	2019.03 – 2020.02