SeokWon **Choi**

ROBOTICS · SLAM · COMPUTER VISION

50, Gumi-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

(+82) 10-2883-7858 | csw609@naver.com | csw609

"Widely beneficial to the world."

Introduction

This is SeokWon Choi who want to create new and useful things. I am interested in Robotics, SLAM and Computer Vision. Because I think these technologies will make something useful for people. Hope that one day what I have created will be useful to many people in the world.

Education

KwangWoon University   *Seoul, S.Korea*

B.S. IN SCHOOL OF ROBOTICS   *Mar. 2017 - Feb. 2023(Expected)*

- Current GPA : 4.35/4.50, Current Major GPA : 4.50/4.50
- Club : BARAM(Robotics Academic Group)

Work Experience

Robotics A.I. lab @KwangWoon Univ   *Seoul, S.Korea*

UNDERGRADUATE LAB INTERN   *Mar. 2021 - present*

- Research on SLAM, Path Planning.
- Participated in the Multi-Robot automatic driving project.

Publication

2021.10	**CICS21**, Seokwon Choi, Seokjun Moon, Junghyun Oh,"Searching Window Approach to Multi-robot Collision Avoidance"-[Paper]	*CICS*

Honors & Awards

AWARDS

2020.11	**Dean's List**, for Academic Excellence	*KwangWoon Univ.*
2021.10	**Dean's List**, for Academic Excellence	*KwangWoon Univ.*

HONORS

2020-2	**Full tuition Scholarship**, for Top seat last semester	*KwangWoon Univ.*
2021-1	**Half tuition Scholarship**, for 2nd seat last semester	*KwangWoon Univ.*

Skills

Programming	C++/C, Python, JAVA, Matlab
DevOps	ROS
Framework	Pytorch
Languages	Korean(native), English(TEPS:336)

Extracurricular Activity

Implementation of Visual SLAM   *Individual(Club BARAM)*

VISUAL SLAM, ROS   *Sep. 2021 - Nov. 2021*

- I thought that visual SLAM was an indispensable technology for mobile robots, so I implemented it.
- Through this project, I learned about Computer Vision, SLAM, and ROS.

Multi-Robot automatic driving

SLAM, ROS

Apr. 2021 - Sep. 2021

- It aims to automatic drive multiple mobile robots on ROS.
- I was in charge of applying mapping, localization, and navigation.
- Through this project, I dealt with ROS and SLAM.

DeepLearning Basics with Pytorch

Individual

DeepLearning, Pytorch

Jan. 2021 - Mar. 2021

- I have covered the basics of deep learning with the PyTorch framework.

Parking Lot Map Application

Team Project(Club BARAM)

Android, JAVA

Aug. 2020 - Dec. 2020

- We have created an application that informs the location and fee of the parking lot.
- As a team leader, I was in charge of overall Android coding.
- Through this project, I learned how to collaborate code and how to use JAVA.