Jiwon Park

qwes8873@gmail.com | https://github.com/qwes98

INTERESTS	Robotics, Vision-Language Models (VLM), Task Planning, Motion Planning	

SELF-DIRECTED LEARNING

Reinforcement Learning Specialization, Coursera		Nov. 2024 - Present
Deep Learning for NLP, KAIST Online		Jul. 2024 - Aug. 2024
Deep Learning for Computer Vision, Michigan Online		Mar. 2024 - May. 2024

EDUCATION

Kookmin University — Mar. 2016 - Feb. 2023

Undergraduate Student — Seoul, Korea

- B.S. in Department of Automobile and IT Convergence
- Total GPA of 4.41 / 4.5 (99.1 / 100)

TECHNICAL SKILLS

Languages C, C++, Python, Typescript

Frameworks & Tools ROS, PyTorch, LangChain, Git, Docker

RELEVANT EXPERIENCE

Llama 3 Instruction Fine-Tuning — Jun. 2024

Personal Project

- Fine-tuned the Llama 3 8B model using QLoRA for parameter-efficient training
- Utilized the Alpaca-Cleaned instruction tuning dataset to enhance the model's ability to follow instructions
- Gained hands-on experience in training Large Language Models (LLMs) and deepened understanding of natural language processing techniques

Robotics Software Engineer (Udacity) — Feb. 2023 - Jun. 2023

Personal Project

- Designed and implemented robotic software using ROS, creating reusable packages and custom ROS nodes in C++
- Developed SLAM solutions using GraphSLAM and Monte Carlo Localization (MCL), enabling robots to map and navigate unknown environments

KUUVE Club Activities — 2017 - 2019

- **PAMS Competition**: Integrated ROS-based modules, optimized algorithms, and ensured system robustness
- **Basic Robot Arm**: Designed a two-link robotic arm and implemented control algorithms
- **Soscon Hackathon**: Developed cleaning robot software using ROS move_base
- **F1tenth Competition**: Built and programmed a 1/10 scale RC car for autonomous navigation
- **The International Student Car Competition**: Led vision team for autonomous driving tasks using C++, ROS, and OpenCV
- **End-to-End Learning for Self-Driving Car**: Implemented Nvidia's paper using Keras, TensorFlow, and Udacity's simulator

HONORS AND AWARDS

Top Academic Achievement Award, Kookmin University		2023
Merit Award for University Promotion, Kookmin University		2023
Autonomous Driving Competition Award (2nd Place), KINTEX Award Ceremony		2018
Semester High Honors, Kookmin University		2016 - 2019, 2022

TEACHING	**ROS for Autonomous Driving**	Jan. 2019
	KUUVE Club	

- Offered a 5-day intensive ROS course using Gazebo simulator and TurtleBot3
- Developed curriculum, lecture materials, and simulation environment

CERTIFICATIONS	**Deep Learning Specialization**, Coursera	July. 2024
	Machine Learning Specialization, Coursera	May. 2021