



# Heeyang Jung

ROBOTICS · DEEP LEARNING · REINFORCEMENT LEARNING

607, Seosuwon-ro, Gwonseon-gu, Suwon-si, Gyeonggi-do, 16392, Rep. of KOREA

☎ (+82) 10-3478-8484 | ✉ huiyang1022@naver.com | 📱 dlronmanb

"Opportunity did not knock until I built a door."

## Summary

This is Heeyang Jung, who want to be a ML Engineer focused on Robotics Control Optimization using RLML. I am interested in Robotic, ML, reinforcement learning. I want to be an engineer who combines theory and practice. I want to be beneficial to people by exploring how the knowledge I learned can be used in the field or how it can be used.

## Research Interests

**Model-Free** DQN, vanilla PG, DPG, DDPG, SAC  
**Inverse RL** Imitation learning, GAIL  
**Exploration** HER

## Education

### KwangWoon University

B.S. IN SCHOOL OF ROBOTICS

Seoul, Korea

Mar. 2020 - Feb. 2024(Expected)

- **Current GPA:** 4.30/4.50, **Current Major GPA:** 4.11/4.50
- **Club:** BARAM Robotics(Robotics Academic Group) [2022 Staff], Mar.2021-Present

## Work Experience

### Ubiquitous Lab @ KwangWoon Univ

UNDERGRADUATE LAB INTERN(ADVISOR: PROF. YONGHOON CHOI)

Seoul, Korea

Jan. 2022 - Present

- Solving algorithm problems(BOJ, Programmers)
- Design deep Learning pipeline

## Skills

**Programming** Python, C/C++, Matlab  
**Framework** Pytorch, Tensorflow  
**DevOps** Ros, Git  
**Languages** Korean, English

## Extracurricular Activity

### Reinforcement learning-based robot arm

PERSONAL TOY PROJECT

Baram robotics

Apr. 2022 - Present

- Implementing the environment up to the standard for scalability
- Connecting the agent program to the Robot arm in ROS

### Game learning agent based reinforcement learning

PERSONAL TOY PROJECT

Baram robotics

Sep. 2021 - Oct. 2021

- Implementing the environment required for reinforcement learning
- Apply DQN algorithm to agent

### Fruit image classifier

PERSONAL TOY PROJECT

ubiquitous lab, Kwangwoon Univ

Mar. 2022 - Apr. 2022

- Take the fruit image from the kaggle and preprocessing it
- studying VGG net and implement it

## First Runner Project

1ST STUDENT

- Studying Autonomous racing(F1tenth)
- Making AEB(automatic emergency braking) code
- Making wall following code

*TresC3(Venture Company)*

*Oct. 2021 - Feb. 2022*

## Educational Activities

---

### AI Genius Academy Mentoring

TEACHING ASSISTANT

- Project Assistant with Arduino and Raspberry Pi
- Support students to experience AI and proceed with the project through a Teachable Machine

*Organized by Micro School, TresC3*

*Nov. 2021*

### Samsung Electronics App Development Mentoring

TEACHING ASSISTANT

- MIT App Inventor training and Project Assistant

*Organized by Micro School, TresC3*

*Jan. 2022*