



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 RL&ML. 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

- RL** off-policy algorithms
- meta learning** few-shot learning, optimization method, data augmentation
- Generative model** image translate, method for stable convergence

Education

KwangWoon University

B.S. IN SCHOOL OF ROBOTICS

Seoul, Korea

Mar. 2020 - Feb. 2024(Expected)

- **Current GPA:** 4.33/4.50, **Current Major GPA:** 4.25/4.50
- **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 - Jun. 2022

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

Petnow Inc

UNDERGRADUATE R&D DIVISION INTERN(ADVISOR: CTO. DAEHYUN PAK)

Seoul, Korea

Jun. 2022 - Present

- Improve biometric model named DNNNet(Dog Nose Network)
- Improve backbone of DNNNet
- Apply suitable loss function to DNNNet

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
- The source code related to this toy project is on my [\[Github repository\]](#)

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
- The source code related to this toy project is on my [\[Github repository\]](#)

First Runner Project

1ST STUDENT

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

TresC3(Venture Inc),Korea Univ

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