MinJae Kim

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EDUCATION

Yonsei University, Mirae Campus   Wonju, Korea
Major: Information & Communication Engineering   Expected: Feb 2025

Overall GPA: 3.57/4.3 | Major GPA: 3.7/4.3

RESEARCH INTERESTS

- Reinforcement Learning
- Planning
- Robotics

PUBLICATIONS

1. **Min-Jae Kim**, Jin-Seong Kim, Seok-Won Hong, Hyeon-Jin Jung, Seok-Hwan Choi
   A Deep Q-Network Multi-Agent Framework for Effective Network Intrusion Detection (Conference on KCC, 2024)

2. Seok-Won Hong, Jin-Seong Kim, **Min-Jae Kim**, Seok-Hwan Choi
   Graph Transformer Network based Wireless Network Intrusion Detection System (Conference on ASK, 2024)

PROJECTS

Indoor Robot (on-going)   09, 2024 -

- A project where YouBot performs pick and place of a desired object by giving commands through Coppeliasim.

Spot Navigation Sim2Real (on-going)   09, 2024 -

- This project involves building a Spot robot using a Jetson Nano, experimenting with planning, and conducting sim-to-real experiments.

Tic-Tac-Toe *Sequential Decision Making Process*   06, 2024

- Making Tic-Tac-Toe with simple Decision Making and RL

Automonous Driving with Classifier *Machine Learning*   05, 2024

- Autonomous Driving in Unity by Naive Bayes Classifier
- Autonomous Driving in Unity by Bayesian Estimation

RESEARCH EXPERIENCES

- Undergraduate research at AIS LAB, Yonsei University, Korea   02, 2024 −

COURSEWORK

- **Mathematics**: AI Mathematics, Engineering Mathematics, Probability and Statistics
- **Machine Learning:** Machine Learning, Sequential Decision Making
- **Robotics:** Robot Algorithm, Modeling & Simulation, Linear System

SKILLS

Programming : C, Python (Pytorch), C# (Unity), ROS, MATLAB
Simulator : Coppeliasim, IsaacSim, Unity