Dong-Hee Kim

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  https://github.com/queez0405

Research Interest

Probabilistic Machine Learning and Computer Vision, including Reliable, Few-shot, and Semi- ,Un-supervised and Reinforcement Learning.

Education

Hanyang University	**Sep 2019 –**

Master of Science, Advised by Prof, Ki-Seok Chung
Major in Electronic and Computer Engineering

Hanyang University	**Mar 2014 – Aug 2019**

Bachelor of Science
Major in Electronic Engineering

Daegu Il Science High School	**Mar 2012 – Feb 2014**

Publications

- **Dong-Hee Kim**, Changwoo Lee and Ki-Seok Chung. "A Confidence-Calibrated MOBA Game Winner Predictor" *IEEE Conference on Games,* 2020.
- **Dong-Hee Kim** and Ki-Seok Chung. "Improving Decection Performance of Out-of-Distribution with Mixup" *The Korean Institute of Communications and Information Sciences Winter Conference,* 2020.
- **Dong-Hee Kim**, Sung-Jin Lee and Ki-Seok Chung. "CNN Acceleration by Exploiting SIMD Parallelism" *The Korean Institute of Communications and Information Sciences Fall Conference,* 2018.

Projects

Reinforcement learning (RL) framework on edge device	**Dec 2019–**

- Industrial project.
- Implementation of RL framework running on low-power edge device.
- Funded by LG electronics.

The Competency Development Program for Industry Specialist	**Sep 2019–**

- Industrial project.
- Funded by Ministry of Trade, Industry and Energy(MOTIE).

AI for playing Puyopuyo

- Personal project.
- Training AI for playing Puyopuyo with actor-critic and A2C.
- Tensorflow 2.x implementation.
- Github: `https://github.com/queez0405/puyopuyoRL`

Communication

Group for reading deep learning papers	**Nov 2019–**

- Youtube channel:`https://www.youtube.com/channel/UCDULrK2OJsiDhFroa2Aj_LQ`

Professional skills

Programming Languages:C, C++, Python, PHP, Javascript, Assembly, Verilog
Frameworks:Tensorflow, Keras, Pytorch, Darknet
Platforms:Linux, Windows, Arduino, Raspberry pi

Teaching Experience

Teaching Assistant

o Microprocessor—Fall 2019

Special Teaching Experience

o Advising Research&Education program for Hansung science high school students.— May 2020–