

Yoonhee Gil

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EDUCATION

- **Pohang University of Science and Technology (POSTECH)** Pohang, South Korea
Masters in Convergence IT Engineering
Courses: Reinforcement Learning, Deep Learning, Machine Learning, Computer Vision
March 2020 - Feb 2023
- **Pohang University of Science and Technology (POSTECH)** Pohang, South Korea
B.S in Electrical Engineering
March 2014 - Feb 2020

RESEARCH INTEREST AND SKILLS

- **Research Interest:** Reinforcement Learning, Neural Network Compression, Deep Learning
- **Languages:** Python
- **Frameworks:** Tensorflow, Pytorch, Keras

WORK EXPERIENCE

- **(주)에이엠** Seoul, South Korea
Internship: Machine Learning Engineer
July 2019 - August 2019
 - **Face detection on Raspberry Pi:** Worked on building a deep learning face detection program that can run on raspberry pi.

PROJECTS

- **Continual Wafer Map Classification Model:** 2021 -
- **Control of continuous control systems by deep reinforcement learning:** 2018 - 2019, Undergraduate project

PUBLICATIONS

- **Quantization-Aware Pruning Criterion for Industrial Applications:**
 - Y. Gil, J. Park, J. Baek and S. Han
 - *IEEE Transactions on Industrial Electronics*, vol. 69, no. 3, pp. 3203-3213, March 2022
- **Automatic Data Augmentation by Upper Confidence Bounds for Deep Reinforcement Learning:**
 - Y. Gil, J. Baek, J. Park and S. Han
 - *2021 21st International Conference on Control, Automation and Systems (ICCAS)*, pp. 1199-1203, October 2021
- **Chaotic system control using reinforcement learning:**
 - Y. Gil, J. Baek, J. Choi, J. Park, H. Kim and S. Han
 - *2020 35rd Institute of Control, Robotics and Systems (ICROS)*, July 2020