

# Yoonhee Gil

Mobile : +82-10-5104-1948

LinkedIn: <https://www.linkedin.com/in/yoonheegil/>

Email : [gyh1948@postech.ac.kr](mailto:gyh1948@postech.ac.kr), [cukie1948@gmail.com](mailto:cukie1948@gmail.com)

Github: <https://github.com/Cerphilly>

## EDUCATION

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- **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

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

## WORK EXPERIENCE

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- **(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

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

## PUBLICATIONS

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- **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
- **강화학습을 이용한 카오틱 시스템 제어:**
  - Y. Gil, J. Baek, J. Choi, J. Park, H. Kim and S. Han
  - *2020 35rd Institute of Control, Robotics and Systems (ICROS)*, July 2020