

# DEOKKI HONG

Accelerated Computing Systems Lab.  
Dept. of Artificial Intelligence  
Yonsei University, Seoul, Korea (Republic of)

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## Research Interests

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*Neural Architecture Search(NAS), Generative Adversarial Network, Class Incremental Training*

## Education

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**Yonsei University** Sep. 2020 – Present  
*Integrated Course of M.S. and Ph.D. in Artificial Intelligence* Seoul, Korea

**Yonsei University** Mar. 2013 – Aug. 2020  
*B.S. in Economics and Computer Science* Seoul, Korea

## Publications

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**DANCE: Differentiable Accelerator/Network Co-Exploration** DAC, 2021  
*Kanghyun Choi<sup>1</sup>, Deokki Hong<sup>1</sup>, Hojae Yoon<sup>1</sup>, Joonsang Yu, Youngsok Kim, Jinho Lee*

**Qimera: Data-free Quantization with Synthetic Boundary Supporting Samples** NeurIPS, 2021  
*Kanghyun Choi, Deokki Hong, Noseong Park, Youngsok Kim, Jinho Lee*

<sup>1</sup>: indicates co-first authors

## Projects

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**High-resolution Face Image Generation by Transformer-based GAN** 2021 – Present  
*Electronics and Telecommunications Research Institute (ETRI)*

**Fast Distributed Deep Neural Network Training** 2020  
*Korea Institute of Industrial Technology (KITECH)*

## Awards

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• **Second prize at Software Capstone Design** Dec. 2019

## Teaching Experience

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• **Logic Circuit Design (CSI2111):** Teaching Assistant Fall 2021, 2020  
• **Multi-core and GPU Programming (CSI4119):** Teaching Assistant Spring 2021

## Skills

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- Python, Java, C, C++
- Pytorch, Numpy, Jupyter Notebook, Matplotlib, Pandas
- **Korean** (Native proficiency), **English** (Professional working proficiency)