

Myungsub Choi

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<https://myungsub.github.io>

- INTERESTS** Video analysis, frame interpolation, test-time adaptation methods
- EDUCATION** **Seoul National University (SNU)** Mar 2013 – Present
- Integrated Master & Ph.D program in Electrical and Computer Engineering
 - Advisor: Kyoung Mu Lee
- Seoul National University (SNU)** Mar 2009 – Feb 2013
- B.E. in Electrical and Computer Engineering
 - Cumulative GPA: 3.48 / 4.30
- PUBLICATIONS**
- **Myungsub Choi**, Janghoon Choi, Sungyong Baik, Tae Hyun Kim, and Kyoung Mu Lee, “Scene-Adaptive Video Frame Interpolation via Meta-Learning,” *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2020.
 - **Myungsub Choi**, Heewon Kim, Bohyung Han, Ning Xu, and Kyoung Mu Lee, “Channel Attention Is All You Need for Video Frame Interpolation,” *Association for the Advancement of Artificial Intelligence (AAAI)*, 2020
 - Heewon Kim, **Myungsub Choi**, Bee Lim, and Kyoung Mu Lee, “Task-Aware Image Downscaling,” *European Conference on Computer Vision (ECCV)*, 2018
- EXPERIENCE** **Research Intern**
- Snap Inc., Venice, California, USA (Jun 2018 – Aug 2018)
- Teaching Assistant**
- Graduation project, CVLab, SNU (Spring 2018, Spring 2017, Fall 2015)
 - Advanced Topics in Computer Vision, SNU (Fall 2016)
 - Signals & Systems, SNU (Spring 2014)
- PROJECTS**
- **Joint Medical Image & Reports Analysis with Deep Learning**
NRF (National Research Foundation), South Korea
(Mar 2017 - Feb 2018)
 - **Small Object Detection for Road Scene Analysis**
SIC Center, LG Electronics, South Korea
(April 2017 - Dec 2017)
 - **DNN based Traffic Sign Detection and Recognition**
SIC Center, LG Electronics, South Korea
(Feb 2016 - Dec 2016)
 - **Semantic Segmentation for Road Scene Analysis with Deep Learning**
SAIT, Samsung Electronics, South Korea
(May 2015 - April 2016)
 - **Semantic Segmentation for Efficient Scene Analysis**
DMC R&D Center, Samsung Electronics, South Korea
(May 2014 - Dec 2014)

**SIDE
PROJECTS**

- **Awesome-RNN** (★ 5000+)
A curated list of resources for studying RNNs (until ~ 2016)
- Main Contributor
- **Awesome-Deep-Vision** (★ 9000+)
A curated list of deep learning resources for computer vision (until ~ 2016)
- Contributor

SCHOLARSHIP

National Scholarship for Science & Engineering, Korea Student Aid Foundation
2009 - 2012

SKILLS

Programming Languages: **Python**, MATLAB, Lua, C++
Human Languages: **English** - fluent, **Korean** - native

REFERENCES

Kyoung Mu Lee
Professor
Department of Electrical and Computer Engineering
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- Academic advisor

Bohyung Han
Associate Professor
Department of Electrical and Computer Engineering
Seoul National University
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- Mentor