Kwonyoung **Kim**

Joint M.S & Ph.D. student · Yonsei University
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Research Interests

Computer Vision, Deep learning, Meta-learning, Multi-modal

Work Experience

Neurocle Inc. *Seoul, S.Korea*
Software Engineer Intern *Jun. 2019 - Jan. 2020*
- Implemented Class Activation Map function for users and improved performance of the product.

Education

Yonsei University *Seoul, S.Korea*
Joint M.S & Ph.D. Candidate, Electrical and Electronic Engineering *Mar. 2020 - Present*
- Supervisor: Prof. Kwanghoon Sohn
- Overall GPA: 4.09/4.3

Yonsei University *Seoul, S.Korea*
B.S. in Electrical and Electronic Engineering *Mar. 2012 - Jan. 2020*
- Major: Electrical and Electronic Engineering
- Overall GPA: 3.39/4.3

Publications

"PointFix: Learning to Fix Domain Bias for Robust Online Stereo Adaptation"
Kwonyoung Kim, Jungin Park, Jiyoung Lee, Dongbo Min, Kwanghoon Sohn *Jul. 2022*
- European Conference on Computer Vision (ECCV 2022).

Patent

Method and Device for Robust Depth Estimation to Domain Shift
Kwonyoung Kim, Kwanghoon Sohn *Dec. 2021*
- Korea Patent, 10-2021-0177205

Research Experiences

To create AI systems that act appropriately and effectively in novel situations that occur in open worlds *Seoul, S.Korea*
Institute for Information & Communications Technology Promotion (IITP), Korea *Apr. 2020 - Dec. 2021*
- Developed an algorithm for Online Stereo Adaptation
- Data acquisition with delivery robot and pre-processing.

Teaching Assistants *Seoul, S.Korea*
Dept. of Electrical and Electronic Engineering, Yonsei University
- Signals and System, Fall, 2020
- Lab. Internship assistant, Summer, 2021
- Signals and System, Fall, 2021
- Electrical and Electronic Engineering Capstone Design, Fall, 2022

Skills

Programming Python, MATLAB, C/C++
Deep learning Pytorch, Tensorflow
Languages Korean, English