

DAEHAN KIM

☎ +82 10-7389-5788 ✉ daehankim.public@gmail.com 🌐 github.com/koreadhkim

Education

Hanbat National University Mar. 2015 – Feb 2020
B.S in Department of Information and Communication Engineering Daejeon, Republic of Korea

Hanbat National University Mar. 2021 –
M.S in Department of Information and Communication Engineering Daejeon, Republic of Korea

International Publications(* indicates equal contribution)

OCR-based Inventory Management Algorithms Robust to Damaged Images ICRA 2021
Minseok Seo, Daehan Kim*, Hyeyoon Kang, Donghyeon Cho, and Dong-Geol Choi* ORAL

Sequential Feature Filtering Classifier IEEE Access 2021
Minseok Seo, Jaemin Lee, Jongchan Park, Daehan Kim and Dong-Geol Choi IF=4.48

Source Domain Subset Sampling for Semi-Supervised Domain Adaptation in Semantic Segmentation BMVC 2021
Daehan Kim, Minseok Seo*, Jinsun Park* and Dong-Geol Choi* under review

Domestic Publications(* indicates equal contribution)

Adversarial Shade Generation and Training Text Recognition Algorithm that is Robust Algorithm that is Robust to Text in Brightness KROS 2021
Minseok Seo, Daehan Kim and Dong-Geol Choi

Honors and Awards

Practical Problem Research Competition Hanbat National University 2019
Team AirLab(team member) 2nd

Capstone Design Competition Hanbat National University 2020
*Daehan Kim** 3rd

Projects

Region Detection Image Processing SW for Autonomous Mission | C, C++ Oct. 2019 - Nov. 2019

- FOV camera **calibration** technology applied using checker board.
- Outlier removal using random sample consensus (**RANSAC**) algorithm.
- Application of segmentation technology using **OPENCV**.

Marine Object Recognition | Python, Pytorch Apr. 2019 - Apr. 2020

- **2019** : Basic research and code writing for **part segmentation**.
- **2020** : **Unsupervised Domain adaptation** for semantic segmentation to reduce the domain gap between synthetic and real images.

Artificial intelligence training data construction (secondary) business | Python, Pytorch Sep. 2020 - Dec. 2020

- Developed **Multi-object Tracking** network and successfully applied it to CCTV, which is a real environment.

Technical Skills

Languages: Python, C
Frameworks: Pytorch, TensorRT
Developer Tools: Vim, VSCode, GitHub, Docker