

Jung Ho In

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EDUCATION

Seoul National University

Master of Science, Major in Computational Science and Technology

Sep. 2020 – Present

Seoul, Korea

Korea Aerospace University

Bachelor of Engineering, Major in Aerospace and Mechanical Engineering

Mar. 2010 – Feb. 2014

Goyang, Korea

WORK EXPERIENCE

Samsung Electronics Corporation | Mechanical Engineer

R&D Team, Department of Digital Appliance

Aug. 2017 – Aug. 2020

Suwon, Korea

- Developed Thermo-fluid performance of freezing system
- Analysis of heat transfer and performance optimization of Exposed Condenser
- Verification performance of water stagnating and freezing phenomena
- Detailed performance design for innovative refrigerator, *SAMSUNG BESPOKE*

ROK Air Force | Aircraft Maintenance Officer

The 19th Fighter Wings

Jun. 2014 – May. 2017

Chungju, Korea

- Supervise investigating Non-Destructive Inspection of aircraft crash
- Manage aircraft maintenance system
- Executive ground safety of division

PROJECTS & RESEARCH EXPERICE

Industry AI Hub | Python, Pytorch

Jun. 2021 – Present

- CCTV analytic system for pedestrian tracking and re-identification.

Place classifier | Python, Pytorch

Jan. 2021 – Jul. 2021

- Developed a place classifier for Emergency Management System, Yonsei Severance Hospital

SpaceNetChallenge7 | Python, Pytorch, Docker

Sep. 2020 – Nov. 2020

- Developed a building extraction semantic segmentation & building tracking system in time-series satellite image.

PUBLICATIONS

H.Jung, H.Choi, M.Kang. Boundary Enhancement Semantic Segmentation for Building Extraction from Satellite

- CCTV analytic system for pedestrian tracking and re-identification.

RESERACH INTEREST

Segmentation

- Semantic & Instance Segmentation in Satellite Image for various tasks(Urban Planning, Environment, Defense)

Colorization & GAN

- Colorization for SAR image in satellite image

Graph Neural Network

- Apply GNN & GCN for various image processing tasks

KEY SKILLS

Mechanical Engineering: CFD, CAD, Refrigeration Cycle, Aerodynamics, Numerical Analysis

Language: FORTRAN, Python, Pytorch, Matlab

Tools: Advanced PPT & Excel Skills

SCHOLARSHIPS AND CERTIFICATES

Feb 2020 TEPS : 336

Mar 2019 COSPRO(PYTHON) : II

Dec 2018 TOEIC: 840

Sep 2010 National S&T(Science & Technology) Scholarship