JUNG HO IN

Seoul National University, Seoul, Korea

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EDUCATION

M.S in Computational Science & Technology Sep. 2020 - Present
Seoul National University, Seoul, Korea CGPA : 4.2/4.3

B.S in Aerospace & Mechanical Engineering Mar. 2010 - Feb. 2014
Korea Aerospace University, Goyang, Korea

WORK EXPERIENCE

Samsung Electronics Corporation | Engineer Aug. 2017 - Aug. 2020
R&D Team, Department of Digital Appliance, Suwon, Korea

Research on thermo-fluid design of refrigerant system

ROK Air Force | Aircraft Maintenance Officer Jun. 2014 - May. 2017
The 19th Fighter Wings, Chungju, Korea

Supervisor on aircraft maintenance and non-destructive inspection

PROJECTS EXPERIENCE

Deep Learning in Computer Vision Sep. 2020 - Present

Place classifier | Emergency Management System, Yonsei Severance Hospital
CCTV analyzing system | Industry AI HUB, AI Nation
SpaceNet Challenge 7 : Time-temporal building extraction in satellite image | SpaceNet
Risk detector via object detection | KCC Corporation

Graph Neural Network Jun. 2021 - Present

Reproducing Open Graph Benchmark

RESEARCH INTERESTS

Edge Enhanced Semantic Image Segmentation with Superpixel
Graph Neural Network for Node Classification in Large Graph
Unsupervised Learning with Graph Neural network
Causal Inference with Graph Neural Network

PUBLICATIONS

H.Jung, H.Choi, M.Kang. "Boundary Enhancement Semantic Segmentation Aug. 2021
for Building Extraction from Remote Sensed Image"
IEEE Transactions on Geoscience and Remote Sensing Accepted

PRESENTATIONS

"Boundary Improvement Module for Binary Semantic Segmentation in Remote Sensing" Jun. 2021
Presentation, 2021 Spring, KSIAM(Korean Society for Industrial and Applied Mathematics)

"Segmentation model for tracking building in satellite imagery" Nov. 2020
Poster, 2020 Fall, KSIAM(Korean Society for Industrial and Applied Mathematics)

SCHOLARSHIPS

Hyundai Motor Chung Mong-Koo Global Scholarship   Fall 2021 - Present
Hyundai Motors Chung Mong-Koo Foundation

National S&T(Science & Technology) Scholarship   Fall 2010
Korea Student Aid Foundation

TEACHING EXPERIENCE

L0444.000400 : Basic Computing(Python) | Teaching Assistant   Spring 2021
Faculty of Liberal Education, Seoul National University

Computer Literacy & Programming(Python) | Lecturer   Mar. 2021 - Present
Language Education Institute, Seoul National University

EXTRA-CURRICULAR ACTIVITIES

Vice President of General Students' Association of Korea Aerospace University   2013