

JUNG HO IN

Seoul National University, Seoul, Korea
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EDUCATION

M.S in Computational Science & Technology

Seoul National University, Seoul, Korea

Sep. 2020 - Present

CGPA: 4.2/4.3

B.S in Aerospace & Mechanical Engineering

Aircraft System Engineering

Korea Aerospace University, Goyang, Korea

Mar. 2010 - Feb. 2014

Class Rank: 4 of 30, CGPA: 3.66/4.5

WORK EXPERIENCE

Samsung Electronics Corporation | Engineer

R&D Team, Department of Digital Appliance, Suwon, Korea

Research on thermo-fluid design of refrigerant system

Aug. 2017 - Aug. 2020

ROK Air Force | Aircraft Maintenance Officer

The 19th Fighter Wings, Chungju, Korea

Supervisor on aircraft maintenance and non-destructive inspection

Jun. 2014 - May. 2017

PROJECTS EXPERIENCE

Deep Learning in Computer Vision

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

Sep. 2020 - Present

Graph Neural Network

Reproducing Open Graph Benchmark

Jun. 2021 - Present

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 for Building Extraction from Remote Sensed Image"

IEEE Transactions on Geoscience and Remote Sensing

Aug. 2021

Accepted

PRESENTATIONS

"Boundary Improvement Module for Binary Semantic Segmentation in Remote Sensing"

Presentation, 2021 Spring, KSIAM(Korean Society for Industrial and Applied Mathematics)

Jun. 2021

"Segmentation model for tracking building in satellite imagery"

Poster, 2020 Fall, KSIAM(Korean Society for Industrial and Applied Mathematics)

Nov. 2020

SCHOLARSHIPS

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| Hyundai Motor Chung Mong-Koo Global Scholarship <i>Hyundai Motors Chung Mong-Koo Foundation</i> | Fall 2021 - Present |
| National S&T(Science & Technology) Scholarship <i>Korea Student Aid Foundation</i> | Fall 2010 |

TEACHING EXPERIENCE

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|---|---------------------|
| L0444.000400 : Basic Computing(Python) Teaching Assistant <i>Faculty of Liberal Education, Seoul National University</i> | Spring 2021 |
| Computer Literacy & Programming(Python) Lecturer <i>Language Education Institute, Seoul National University</i> | Mar. 2021 - Present |

EXTRA-CURRICULAR ACTIVITIES

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