

# JUNG HO IN

Seoul National University, Seoul, Korea  
hoyin@snu.ac.kr | <https://github.com/hin1115>

## EDUCATION

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<b>M.S in Computational Science &amp; Technology</b> Seoul National University, Seoul, Korea	Sep. 2020 - Present CGPA: 4.2/4.3
<b>B.S in Aerospace &amp; Mechanical Engineering</b> Aircraft System Engineering Korea Aerospace University, Goyang, Korea	Mar. 2010 - Feb. 2014  Class Rank: 4 of 30, CGPA: 3.66/4.5

## WORK EXPERIENCE

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<b>Samsung Electronics Corporation   Engineer</b> <i>R&amp;D Team, Department of Digital Appliance, Suwon, Korea</i> <ul style="list-style-type: none"><li>· Research on thermo-fluid design of refrigerant system</li></ul>	Aug. 2017 - Aug. 2020
<b>ROK Air Force   Aircraft Maintenance Officer   Lieutenant</b> <i>The 19<sup>th</sup> Fighter Wings, Chungju, Korea</i> <ul style="list-style-type: none"><li>· Supervisor on aircraft maintenance and non-destructive inspection</li></ul>	Jun. 2014 - May. 2017

## PROJECTS EXPERIENCE

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<b>Deep Learning in Computer Vision</b> <ul style="list-style-type: none"><li>· Place classifier   Emergency Management System, Yonsei Severance Hospital</li><li>· CCTV analyzing system   Industry AI HUB, AI Nation</li><li>· SpaceNet Challenge 7: Time-temporal building extraction in satellite image   SpaceNet</li><li>· Risk detector via object detection   KCC Corporation</li></ul>	Sep. 2020 - Present
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## RESEARCH INTERESTS

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### Broad Interests

- Graph Neural Network : GNN for Large Graph, Graph Clustering, DAGs for Causal Inference
- Computer Vision : Semantic Segmentation, Superpixel, Salient Object Detection

### Recent Interests

- Time-series Inductive Graph-based Matrix Completion for Recommendation System
- Superpixel Image Segmentation with Inductive Graph Neural Network
- DAG-based Salient Object Detection

## PUBLICATIONS

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<b>H. Jung</b> , H. S. Choi and M. Kang, "Boundary Enhancement Semantic Segmentation for Building Extraction From Remote Sensed Image," in <i>IEEE Transactions on Geoscience and Remote Sensing</i> , doi: 10.1109/TGRS.2021.3108781.	Aug. 2021
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## PRESENTATIONS

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"Boundary Improvement Module for Binary Semantic Segmentation in Remote Sensing" <i>Presentation, 2021 Spring, KSIAM(Korean Society for Industrial and Applied Mathematics)</i>	Jun. 2021
"Segmentation model for tracking building in satellite imagery" <i>Poster, 2020 Fall, KSIAM(Korean Society for Industrial and Applied Mathematics)</i>	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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