

# Eunsung Jo

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 <https://github.com/esjo93>

## Research Interests

### Low-level Computer Vision

Image Dehazing, Underwater Image Restoration, etc.

## Education

- 2020 – Present     **Ulsan National Institute of Science and Technology** – Ulsan, Republic of Korea  
M.S. in Artificial Intelligence
- 2013 – 2019     **Ajou University** – Suwon, Republic of Korea  
B.S. in Industrial Engineering, Software and Computer Engineering

## Honors and Scholarships

- 2019     **Ajou Greative SW Festival - Grand Prize**  
Ajou Software Centric University Program Group
- 2019     **Dean's List**  
Ajou University
- 2017 – 2018     **Logistics Information System Team 21 Scholarship**  
LIST21, Department of Industrial Engineering, Ajou University

## Publications

- [1]     Eunsung Jo and Jae-Young Sim, "Multi-scale selective residual learning for non-homogeneous dehazing," in *Proc. IEEE CVPR Workshops*, pages 507-515, 2021. (**Recorded Top 5% Performance in the 2021 NTIRE Non-Homogeneous Dehazing Challenge**)
- [2]     조은성, 심재영, "영상 형성 모델을 이용한 딥러닝 기반 안개 제거 기법," in *대한전자공학회 하계종합학술대회*, 2020.

## Research Experience

- Jun. 2019 –     **Visual Information Processing Lab Internship**  
Feb. 2020     Advisor: Professor Jae-Young Sim(UNIST)  
Topics: clothing semantic segmentation, underwater image restoration
- Jan. 2019 –     **Data Mining Lab Internship**  
Apr. 2019     Advisor: Professor Hyunjung Shin(Ajou University)  
Topic: thyroid cancer patients profiling and treatment guideline suggestion

## Research Projects

- 2019 - Present     **Visual Information Restoration with Extreme Underwater Environments**  
- Samsung Science & Technology Foundation  
Underwater image restoration, image dehazing
- 2019     **Information-coordination Technique Enabling Augmented Reality with Mobile Objects - IITP**  
Clothing semantic segmentation

## Teaching Experience

- Oct. 2021     **LG Electronics H&A DX Intensive Course**  
Computer Vision and Image Processing
- Sep. 2020 –  
Dec. 2020     **Teaching Assistant (UNIST)**  
ITP11703: Introduction to AI Programming II

## Mentorship and Service

- Jan. 2016 –  
Jul. 2017     **Ajou Global Ambassador**  
Participated in Ajou Global Ambassador(15th, 16th, 17th). Organized and participated in international activities. Helped exchange students adapt well in Korea.

## Language Proficiency

**Korean** - Native  
**English** - Fluent (OPIc IH)

## Technical skills

**Programming Languages**  
Python, C++, Java

**Software**  
PyTorch, TensorFlow, OpenCV, Git, Docker