

Eunsung Jo

esjo93@unist.ac.kr • +82 10-6603-4560

106-509, 50, UNIST-gil, Ulsan 44919, Republic of Korea

 <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 – Feb. 2020 **Visual Information Processing Lab Internship**
Advisor: Professor Jae-Young Sim(UNIST)
Topics: clothing semantic segmentation, underwater image restoration
- Jan. 2019 – Apr. 2019 **Data Mining Lab Internship**
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