

Dongwook, Lee

1. Gwanak-ro, Gwanak-gu, Seoul, Korea

[Email](#) | [Linkedin](#) | [Homepage](#) | [Github](#)

Education

Seoul National University, Seoul, Korea

Bachelor of Naval Architecture and Ocean Engineering

March 2016 -

Bachelor of Computer Science(minor)

March 2021 -

- GPA: 3.49/4.3

Work Experience

Military Service | Air-force, Korea

Jan 2018 - Jan 2020

Daewoo ShipBuilding & Marine Engineering | Siheung, Korea

Jul 2020 - Aug 2020

Intern Researcher in Propulsion R&D Team

- Visualizing a propeller in Commercial Container Ship with C++ and OpenGL utilizing in-domain data.
- Analyzing and Visualizing proper shape of propeller efficient for sailing commercial container.

Hyundai Mobis | Mabuk, Korea

Feb 2021 - Mar 2021

Intern Researcher in Electric Car Motor Design Team

- Balancing the motor of an electric car to improve the rotor's mass distribution in the vehicle's drive system, and adjusting the autonomous driving algorithm in a basic setting environment.

Seoul National University Semi-Conductor for AI Laboratory / Seoul, Korea

Sep 2021 - Dec 2021

Intern Researcher in Remote Exam Supervision Program Team

Github Organization: <https://github.com/SSAI-Remote-Proctor>

- Application that can detect student's abnormal behavior or object with real-time tracking model.

Multimedia Information Processing Laboratory | Beijing, China

Oct 2022 - Jan 2023

Intern Researcher in Fine-Grained Visual Analysis Team

- Constructing Fine-Grained recognition model through self-supervised learning with 4 domain multimodal datasets.

Seoul National University Vision & Learning Laboratory | Seoul, Korea

Jan 2022 - Present

Intern Researcher in Reinforcement Learning

Projects

Corporate Project | Storybook highlighting Service

- Highlighting the text following the audio voice with OCR and STT model with text matching algorithm.
- [Project Page](#)

Course Project | Pruning Network Algorithm for compressing & lightweighting Small Object Detection model

Github: https://github.com/SNU-DL-Project/DL_Project

- Developing an pruning algorithm that can prune any of model which is Real-Time Small object detection model(ST-SOD) which can save 40% of parameters with 2.1% of mAP loss.
- Visdrone2018 data is utilized for our empirical results.

Course Project | Building Gomoku AI agent model

Github: <https://github.com/Programming-in-AI/Gomoku-AImodel>

- Constructing an Opago(Gomoku AI model) AI agent model.

Publication(* equal contribution)

Compositional Conservatism: A Transductive Approach In Offline Reinforcement Learning

[\[link\]](#)

Yeda Song*, Dongwook Lee* and Gunhee Kim

ICLR 2024

Honors and Awards

Marine Plant Specialization Project Group Scholarship(2017)

Boeing Korea Scholarship(2020)

Department Scholarship - Full Tuition Waiver Award(2021)

Google Tensorflow Developer Certificate(2020)

LANGUAGES

Languages: Korean (native), English (fluent), Mandarin (fluent)