Woo Hyun Song

Senior Undergraduate Student
Electronics and Electrical Engineering
Dankook University
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PERSONAL DATA

- Born 14 March 2000 in Pyeongtaek-si, Gyeonggi-do
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- Websites: https://velog.io/@aurorab86, https://github.com/aurorab86

EDUCATION

Mar.2019 ~ Feb.2025 (expected)	**Dankook University** Major: Electronics and Electrical Engineering GPA: 3.85 / 4.5, Major GPA: 3.94 / 4.5 (Credits taken: 122/130)	Gyeonggi-do Yongin-si
Mar.2016 ~ Feb.2019	**Hyeonhwa High School**	Gyeonggi-do Pyeongtaek-si

RESEARCH INTEREST

- Artificial Intelligence
- Deep Learning
- Fuzzy control
- Computer Vision

Related Courses

- Autonomous driving mobility image processing
- Automatic control systems
- Control system design
- Electronic circuit

PROJECT

Mar.2024 ~ Present	**Animal Detection Model** - Role: Data Acquisition, Data Labeling, Object Detection Model Training - A capstone design project that detects harmful animals (Object Detection) in the wild, such as wild boars and water deers, using depth cameras and deep learning, and displays the location where an animal is detected on a map using Kakao Map API
Jun.2024 ~ Aug.2024	**LLM-to-Diffusion** - Role: Segmentation model Fine-tuning, Prompt Tuning

- A project that uses DeepFashion dataset, Gemini API, Stable Diffusion pipeline, and Segmentation model to find clothing parts in images (Segmentation) and then generates modified images by replacing them with new designs or colors (Inpainting) based on input text.

SCHOLARSHIP

Aug.2024	Academic Excellence Scholarship
Aug.2022	Special Academic Scholarship
Feb.2019	Admission Excellence Scholarship

QUALIFICATIONS

31 Mar.2024	TOEIC: 815

SKILLS

Programming Languages	Python(main), C, MATLAB
Tools	PyTorch(main), OpenCV, NumPy, NI Multisim, PSpice