

# Donghun Kang

(+82) 10-7565-9788 | danny472@naver.com  
https://donghunkang.tistory.com/ | https://github.com/00kangdonghun

## Education

### Sejong University

B.S in Department of Computer Science and Engineering  
• Total GPA of 3.83 / 4.5, Major GPA of 3.73 / 4.5

Seoul, S.Korea  
Mar. 2020 - Feb. 2022

### University of Seoul

B.S in College of Engineering, Major in Artificial Intelligence  
• Total GPA of 3.64 / 4.5, Major GPA of 3.64 / 4.5 (Credits taken: 130 / 102)

Seoul, S.Korea  
Mar. 2024 - Feb. 2026(Expected)

## Internships

### On-Device Artificial Intelligence Lab (ODAI Lab)

UNDERGRADUATE RESEARCHER

- One-shot MOT, Tracking-by-attention, Spiking neural network, Computer vision

Seoul, S.Korea  
Sep. 2024 ~

## Project Experience

### ChuncheonCity Public Data Utilization Competition

TEAM LEADER, PRESENTER

- The optimal location of public parking lots for buses in Chuncheon through data analysis
- Advanced Data Analysis project (2024-Spring Semester)
- Data Analysis of Chuncheon Bus Station, Spatial Data Pre-processing, and Optimal Location Optimization Model

Seoul, S.Korea  
Apr. 2024 - May. 2024

### Reinforcement Learning Gymnasium Car Racing-v2

TEAM LEADER, PRESENTER

- Improved autonomous driving performance with reinforcement learning in a Gynasim racing environment
- Reinforcement Learning project (2024-FallSemester)
- DQN, DDQN, PPO Learning and Parameter Tuning

Seoul, S.Korea  
Septs. 2024 - Dec. 2024

### A Study on Drowsiness Detection through Classification of Eye Conditions Based on Teachable Machine

TEAM LEADER, PRESENTER

- Using Alhub's driver face data, distinguish between closed and unclosed eyes
- Machine Learning project (2024-FallSemester)
- Data preprocessing via python, classification using a teacherable machine

Seoul, S.Korea  
Septs. 2024 - Dec. 2024

### 2025 AICOSS DeepLearning Bootcamp: Fine-grained multi-class image classification

TEAM Member

- Fine-grained multi-class image classification with various objects Deep learning model development
- AICOSS Deep Learning Competition (2025-Winter Vacation)
- EDA, Data preprocessing, Argumentation, ViT, EfficientNet, Ensemble

Seoul, S.Korea  
Jan. 2025 - Feb. 2025

### Vis Drone data to EMS-YOLO

Individual, ODAI

- Apply image data from drone data to SNN-based EMS-YOLO to measure energy efficiency and accuracy
- In progress at ODAI (2025-Winter Vacation~)
- EMS-YOLO, Spiking Neural Networks, YOLO, MOT

Seoul, S.Korea  
Jan. 2025 ~

### DACON competition

Individual

- Classification of real-estate false sale (NLP)
- Electric Vehicle Price Prediction
- Restoring the obfuscated Korean Review (NLP)
- Image Classification, Guess the icon type (CV)
- Credit Card Customer Segment Classification AI Competition

## Awards & Honors

---

### AWARDS

2025.01 **Presidential Award**, University of Seoul AICOSS Winter **Deep Learning** Boot camp **AICOSS University of Seoul**

## Extracurricular Activity

---

### SK AI Data Academy

Club MEMBER

- Take a lecture on data analysis using data used in the field (an intermediate course)
- I was able to see and use the data used by real companies

Seoul, S.Korea  
Jul. 2024 - Aug. 2024

### AICOSS Deep Learning Bootcamp

Core MEMBER

- Learning MLP, CNNs, VGG, Transformer with code
- Conduct deep learning tasks and competitions
- Understand the overflow of performing deep learning tasks

Seoul, S.Korea  
Jan. 2025 - Feb. 2025

## Teaching

---

### Kyunghee Middle School Mathematics Mentoring

INSTRUCTOR

- Taught math and mentoring to middle school students
- Covered all middle school math and Probability & Statistics, Calculus in preparation for college entrance exams.

Seoul, S.Korea  
Apr. 2024 - Aug. 2024

### Teaching Assistant (Computer System)

TA

- Course in Department of Artificial Intelligence
- Assisted in answered individual questions and supervised exams

Seoul, S.Korea  
Feb. 2025 -

## Skills

---

**Programming** Python, R, C, Java  
**Deep Learning** Skicit-learn, PyTorch, TensorFlow  
**Data Analysis** Numpy, Pandas, Matplotlib

## Others

---

### English Proficiency

- 2025.03 - TOEIC 835

### Certification

- 2022.10 - ICQA Network Advisor Grade2
- 2024.08 - SK AI Data Academy an intermediate outstanding learner
- 2024.09 - SK Earlyadottor Certificate
- 2024.12 - SQLD