Donghun **Kang**

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"it ain't over till it's over"

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 takens: 130 / 102)

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

Internships

On-Device Artificial Intelligence Lab (ODAI Lab)
UNDERGRADUATE RESEARCHER
- One-shot MOT, Tracking-byu-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 AIhub'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

Transform Trackformer based SNN
Individual, ODAI
• Transform Trackformer into a transformer capable of simultaneous SNN-based detection and tracking
• In progress at ODAI (2025-Winter Vacation~)
• Trackformer, Spiking Neural Networks, DETR

Seoul, S.Korea
Jan. 2025 ~

Awards & Honors

AWARDS

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

<div align="right">AICOSS University of Seoul</div>

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

<div align="right">Seoul, S.Korea
Jul. 2024 - Aug. 2024</div>

AICOSS Deep Learning Bootcamp
Core MEMBER
• Leanrning MLP, CNNs, VGG, Transformer with code
• Conduct deep learning tasks and competitions
• Understand the overflow of performing deep learning tasks

<div align="right">Seoul, S.Korea
Jan. 2025 - Feb. 2025</div>

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.

<div align="right">Seoul, S.Korea
Apr. 2024 - Aug. 2024</div>

Skills

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

Others

English Proficiency

• 2023.10 - TOEIC 800

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