

Leo Kim

Seoul, South Korea

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Education

Seoul National University

Master of Science in Artificial Intelligence

Mar 2019 - Feb 2021 | Seoul, South Korea

GPA: 4.3/4.5

Activities: Computer Vision Lab Research Assistant, AI Ethics Committee, Kaggle Competition Team Leader

Relevant Coursework: Deep Learning, Computer Vision, Reinforcement Learning, Natural Language Processing, Generative Models, AI Ethics, Machine Learning Systems

Korea Advanced Institute of Science and Technology (KAIST)

Bachelor of Science in Computer Science

Mar 2015 - Feb 2019 | Daejeon, South Korea

GPA: 4.1/4.5

Work Experience

Computer Vision Engineer | Samsung Electronics | Mar 2021 - Present | Seoul, South Korea

- Developed deep learning models for camera systems in Galaxy smartphones, improving image quality in low-light conditions by 40%.
- Implemented real-time object detection and segmentation algorithms optimized for mobile devices.
- Created facial recognition systems with anti-spoofing capabilities achieving 99.7% accuracy.

AI Research Intern | Naver | Jun 2020 - Dec 2020 | Seongnam, South Korea

- Researched generative adversarial networks (GANs) for image enhancement and style transfer.
- Implemented efficient vision transformers for mobile applications.
- Contributed to open-source computer vision libraries and research papers.

Skills

Computer Vision: Image Classification, Object Detection, Segmentation, Facial Recognition, Pose Estimation

Deep Learning: CNN, RNN, Transformers, GANs, Diffusion Models, Transfer Learning

Frameworks: PyTorch, TensorFlow, Keras, MXNet, ONNX, TensorRT

Mobile ML: TensorFlow Lite, CoreML, MLKit, Model Optimization, Quantization

Hardware: GPU Acceleration, NPU Integration, ARM Optimization, Edge AI

Other: OpenCV, Camera Calibration, Image Processing, 3D Vision, Depth Estimation, Visual SLAM

Certificates

NVIDIA: Deep Learning for Computer Vision

Google: TensorFlow Developer Certificate

Samsung: Advanced AI for Mobile Devices

Awards

Best Paper Award - IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshop

3rd Place - International Mobile Photography Competition (Algorithm Track)

Samsung Excellence in Innovation Award