

Jongju Kim

Phone : (+82) 010-9565-8003
Email : a01095658003@gmail.com
LinkedIn : www.linkedin.com/in/종주-김-44149a209

EDUCATION

Seoul National University Seoul, South Korea | Mar. 2019 – Feb. 2021

- ✓ **Degree** : Master of Science in Aerospace Engineering
- ✓ **Thesis** : A Study on Precise Navigation of Smartphone based Wheeled Mobile Robot with GPS Cycle Slip Compensation
- ✓ **GPA** : 3.70 / 4.30

Sungkyunkwan University Suwon, South Korea | Mar. 2015 – Feb. 2019

- ✓ **Degree** : Bachelor of Science in Mechanical Engineering
- ✓ **Thesis** : Design of Onboard Sensor based Autonomous Flying Drone
- ✓ **GPA** : 3.84 / 4.50

WORK EXPERIENCE

Bluedot Seoul, South Korea | Nov. 2022 – Current

AI Researcher (Computer Vision)

- ✓ (2023.03 – Current) Develop video content aware encoding AI model
 - [Task] **Predict Video Codec Option**
 - [Data] Video
 - [Result]
 - Achieve SOTA (better than AWS, Bitmovin)
 - Will be released solution until 2024.03
 - [YouTube] https://www.youtube.com/watch?v=BIVrPVFdg38&list=PLucOpYi-KlnxySbNUXvzVj_oi4RqLu8zh&index=30
- ✓ (2022.11 – 2023.02) Develop segmentation & saliency prediction AI model
 - [Task] **Segmentation**
 - [Data] Video
 - [Result] Improve video codec performance for saliency object

Carvi Seoul, South Korea | Mar. 2021 – Oct. 2022

AI Researcher (Computer Vision)

- ✓ (2021.03 – 2022.10) Develop traffic lane detection AI model
 - [Task] **Detection**
 - [Data] Image
 - [Result] Update model to Carvi-M App

SKILL

- ✓ **Computer Vision Task** : Detection, Segmentation, Predict Video Codec Option
- ✓ **Language** : Korean, English
- ✓ **Programming Language** : Python, C++
- ✓ **Deep Learning Framework**: PyTorch, ONNX, TensorRT, OpenVINO

✓ **Quantization API** : ONNXRuntime, OpenVINO, NNCF