EUNKYU PARK

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EDUCATION AND TRAINING

Seoul National University Seoul, South Korea
*Integrated M.S. Ph.D. in **Artificial Intelligence*** March 2021—Present

- Advised by Professor Gunhee Kim (VISION & LEARNING LAB)
- Research Areas - Computer Vision, Video Understanding, Large-scale multimodal AI

Columbia University in The City of New York New York, NY
*B.S. in **Computer Science, Intelligent Systems*** Aug 2017—May 2020

- Fu Foundation School of Engineering and Applied Science
- Relevant Courses - Analysis of Algorithms, Natural Languages Processing, Computer Vision, Visual Interfaces, Spoken Languages Processing, Intro to Databases, Empirical Methods of Data Science, Artificial Intelligence,

Bard College Great Barrington, MA
*B.A. in **Mathematics*** Aug 2014—May 2020

- Relevant Courses - Modern Algebra I, Modern Algebra II, Ordinary Differential Equations, Partial Differential Equations, Numerical Analysis, Linear Algebra, Discrete Mathematics

EXPERIENCE

VISION & LEARNING LAB at Seoul National University Seoul, South Korea
Integrated M.S./Ph.D. Student March 2021—Present

- Research interests in computer vision and video understanding; specifically, vision transformers and applying deep learning models for long range arenas to long video understanding
- Conducting research on long form video understanding models with Hyundai Motor Group AIR-LAB

Research Intern July 2020—March 2021

- Assisted research in developing models for Video Question and Answering (VQA) benchmark that could expand to Drama-QA, TV-QA domains, eventually expanding to a multi-modal commonsense understanding framework
- Ranked top-10% in the 2020 AI Challenge hosted by the Ministry of Science and Technology

DATA SCIENCE INSTITUTE at Columbia University New York, NY
Undergraduate Research Assistant Feb 2020—May 2020

- Analyzed twitter data to investigate the relationship between users' demographic information and sentiment towards self-driving cars
- Studied patterns of interactions among users using python and visualize using Tableau
- Labeled comments with sentiment score and developed classification model that categorizes each sentiment by relevant topic using self-supervised learning.

PION CORPORATION Seoul, South Korea
Machine Learning Engineer Intern July 2019—Sep 2019, April 2020—July 2020

- Developed a model extracting information from videos/images using OpenCV python library by masking objects with R-CNN and identifying them with YOLOv3 in a single frame to analyze an object's position, label, dominant colors, and coordinates of body parts, etc.
- Developed a model turning static images into moving ones, using GAN, Python and tested on Google Cloud
- Used Selenium for test-running the application taking input images/videos from client to extract metadata and feed into the GAN training model

QUALIFICATIONS

- *Languages* - **Python • MySQL**
- *Libraries* - Pytorch • Tensorflow • AWS Lambda
- Fluent in English, Korean
- Interests in golf, playing the violin