EUNKYU (EUNICE) PARK

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EDUCATION

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 – Detecting and evaluating bias-driven multimodal hallucinations in Vision Language Models

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 Language Processing, Computer Vision, Visual Interfaces, Spoken Language 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

PUBLICATIONS (*denotes equal contribution)

MM-Scale: Grounded Multimodal Moral Reasoning via Scalar Judgment and Listwise Alignment *Under Review*
First Author

HalLoc: Token-level Localization of Hallucinations for Vision Language Models CVPR 2025
Eunkyu Park*, Minyeong Kim*, Gunhee Kim

EXPERIENCE

Human Computer Interaction Institute at Carnegie Mellon University Pittsburgh, PA
Visiting Researcher June 2025—Present

- Researching multimodal moral alignment and interactive trust evaluations of Vision-Language Model generation in Professor Motahhare Eslami's lab

VISION & LEARNING LAB at Seoul National University Seoul, South Korea
Ph.D. Candidate March 2021—Present

- Research interests in multimodal hallucinations, and human preference alignment of vision language models
- Conducted 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 visualized using Tableau
- Labeled comments with sentiment score to train a model to cluster segments by relevant topic.

PION CORPORATION Seoul, South Korea

Machine Learning Engineer Intern July 2019－Sep 2019, April 2020－July 2020

- Developed a model extracting information such as an object's position, label, colors, coordinates from videos/images by masking objects with R-CNN and identifying them with YOLOv3 in a single frame
- Used Selenium for test-running the application, taking input images/videos from client to extract metadata and feed into the GAN training model

ACADEMIC SERVICE

- **Reviewer:** IJCV
- **Teaching Assistant at Seoul National University:** Computer Vision, Probabilistic Graphical Models, General Artificial Intelligence
- **Teaching Assistant for Corporate Training**: LG Energy Deep Learning Course

QUALIFICATIONS

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