YongJin Kim

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Education

Mar. 2021 ~ Present	**Konkuk University** Department of Computer Science and Engineering	Seoul, Korea
	Bachelor Student GPA: 4.46 / 4.5	
Mar. 2017 ~ Present	**Konkuk University** Department of Business Administration	Seoul, Korea
	Bachelor Student GPA: 4.32 / 4.5	

Research Interests

- Image Generative Model
- Diffusion Model
- Image Tokenizing (VQ-VAE, VQ-GAN...)
- Generative Adversarial Networks

Research Experiences

- Research Intern at Department of Artificial Intelligence, Korea University, Korea (Jan. 2024 ~ Present) / Research about Ego-Centric Hand Pose Estimation Model

Projects

Implementation RBM, VAE, GAN with Pytorch Lightning

- Review the paper and implement the model with Pytorch Lighting
- Visualize results using MNIST
- Increasing understanding of thesis formulas and concepts by directly implementing models that were studied theoretically only in the paper
- Page

Hand,Car Video Detection using Early Vision Method

- Perform Object Detection without using Deep Learning methodology.

- The Machine Learning methodology is also used only to remove the background
- Create a bounding box using color channel changes, Morphology, and Connected Components.
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Classification using Early Vision Method

- Implemented a model that classifies 10 of the 12 classes of Recaptcha dataset, excluding Mountain and Other classes, using SIFT and LBP
- Use Bag of Visual Words methodology to conduct classification
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Building Clothing Recommendation and Review Summary Sites

- Building a pair dataset in the absence of a Korean category/keyword pair dataset
- Keyword extraction using Khaiii tokenizer and Word2Vec
- keyword tagging using SKT's KoBert
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link for other projects

CAREER PATH

- Research Intern at Department of Artificial Intelligence, Korea University, Korea (Jan. 2024 ~ Present) / Research about Ego-Centric Hand Pose Estimation Model
- Tobigs 21th, Big Data analysis & Machine Learning society, Korea (Jan. 2024 ~ Present)
- Google Machine Learning BootCamp 4th, Google Korea, Korea (Sept. 2023 ~ Nov. 2023)
- BITAmin 9th, Big Data analysis society, Korea (Feb. 2022 ~ Feb. 2023)
- Student, Konkuk University, Korea (Mar. 2017 ~ Present) / Major & Double Major : Business Administration & Computer Science

Awards and Honors

- Binary Prediction of Smoker Status using Bio-Signals Top 5%, 87th/1908, Kaggle, Korea (Nov. 2023)
- Dean's List, Konkuk University, Korea (Aug. 2021)
- Scholarship given by Kyeong-Geun Jeong for Academic Excellence, Konkuk University, Korea (Oct. 2021)
- Scholarship for Academic Excellence, Konkuk University, Korea (Feb. 2019)
- Scholarship for Academic Excellence, Konkuk University, Korea (Aug. 2018)

Certificates

- Tensorflow Developer Certificate, TensorFlow
- Neural Networks and Deep Learning, DeepLearning.AI
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization, DeepLearning.AI
- Structuring Machine Learning Projects, DeepLearning.AI
- Sequence Models, DeepLearning.AI
- Convolutional Neural Networks, DeepLearning.AI