



Kwangsoo Shin

SOFTWARE ENGINEER

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Career

Yanolja

MACHINE LEARNING ENGINEER

- Machine Learning Engineer in Search team
- Improve search quality through data and metric analysis to connect travel and travel
- Designed new feature for easy and good search to use machine learning methods

Seoul, S.Korea

Feb. 2021 - Present

Lunit

SOFTWARE DEVELOPER

- Developer of Lunit INSIGHT Backend server
- Maintain RESTful API for finding lesions in chest, breast and mammography X-ray
- Designed new feature for visualization of deep learning models analysis result

Seoul, S.Korea

Aug. 2019 - Feb. 2021

Education

Sogang University

BACHELOR'S AND MASTER'S DEGREE, COMPUTER SCIENCE AND ENGINEERING

- Thesis: A CNN-based Place Classifier with Attention Method for Scene-level Place Recognition in Broadcasting Video
- Multimedia System Lab, Advisor Professor Jongho Nang

Seoul, S.Korea

Mar. 2011 - Aug. 2019

Skills

Programming Languages Proficient C/C++, Python
Platforms & Frameworks Intermediate PyTorch, PySpark, Django
And Also Intermediate Docker, Airflow

Projects

Search by Room Information

Feb. 2022 - Present

- Adding room information in search keyword to reduce the rate of no search result
- Extracting tokens for indexing using client logs to reflect user needs and reduce abusing
- Developed pipeline appending allow list and excepting block list to improve performance

Around Autocomplete

Nov. 2021 - Feb. 2022

- Designed pipeline to collect and convert keywords from in/outbound data
- Adding geo-metadata in keywords such as administrative district or location
- Developed scheduled tasks for each data property

Cleansing Search Keyword

Aug. 2021 - Jan. 2022

- Provided search keywords that require cleansing by containing duplicated or forbidden words
- Designed new ranking considering the length and number of search keywords
- Developed API server to prevent registration of invalid search keywords in admin page

Regional Query Ranking

Apr. 2021 - Sep. 2021

- Designed query to region extractor and its pipeline
- Analyzed between query and location of ordered accommodation to extract regional query
- Developed new ranking formula to add regional information

Recommend Related Keyword

WAIT FOR DEPLOYMENT

Feb. 2021 – Aug. 2021

- Developed related keyword recommendation pipeline
- Designed data collection method for travel and accommodation industry
- Created related keyword model using association rules

Publications

INTERNATIONAL CONFERENCES

Approach for Video Classification with Multi-label on YouTube-8M Dataset

Munich, Germany

KWANGSOO SHIN, JUNHYEONG JEON, SEUNGBIN LEE, BOYOUNG LIM, MINSOO JEONG, JONGHO NANG

2018

- The 2nd Workshop on YouTube-8M Large-Scale Video Understanding, ECCV 2018

A New Frame Rate Up Conversion Quality Enhancement Method using Deep Convolutional Neural Network and Temporal Difference Map

Hong Kong, China

SANGCHUL KIM, SEUNGBIN LEE, KWANGSOO SHIN, JONGHO NANG

2016

- ICONI 2016

DOMESTIC CONFERENCES

A Design of Scalable Contents-based Image Retrieval System for Various Applications using Deep Learning

Pyeongchang, S.Korea

KWANGSOO SHIN, MINSOO JEONG, ROCK SAKONG, JONGHO NANG

2018

- KSC 2018

A Design of Image Analysis System with Docker using Multiple Deep Learning Frameworks and Its Performance Comparison

Jeju, S.Korea

KWANGSOO SHIN, MINSOO JEONG, HYEKYOUNG SEOK, JONGHO NANG

2018

- KCC 2018

An Adult Web Site Classification Method using Analysis of Multiple Images in Web Page

Busan, S.Korea

KWANGSOO SHIN, JINHA SONG, JONGHO NANG

2017

- KSC 2017

Analyzing Graphic Area of Video Screen for an Effective Summarization of Baseball Video

Jeju, S.Korea

KWANGSOO SHIN, JONGHO NANG

2017

- KCC 2017

An Effective Subtitle Detection Method using Temporal Accumulation of Video Frames

Pyeongchang, S.Korea

KWANGSOO SHIN, JONGHO NANG

2016

- KIISE 43rd Winter Conference

A Design of A Navigation Filter Integrated With A Magnetometer

Pyeongchang, S.Korea

KWANGSOO SHIN, BYUNGGYU AHN, CHONGSUCK RIM

2015

- KIISE 42nd Winter Conference

Awards

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|------|---|----------------------|
| 2018 | Rank 44th , The 2nd YouTube-8M Video Understanding Challenge, Workshop on ECCV 2018 | Munich, Germany |
| 2018 | Best presentation paper , KCC 2018 | Jeju, S.Korea |
| 2017 | Rank 8th , Large Scale Video Classification, Workshop on ACM Multimedia 2017 | Mountain View, U.S.A |
| 2017 | Encouragement paper , Undergraduate Paper Competition in KCC 2017 | Jeju, S.Korea |
| 2016 | Best presentation paper , KIISE 43rd Winter Conference | Pyeongchang, S.Korea |
| 2016 | 2nd Prize , Consumer Electronics Hackathon Robotic Vacuum Cleaner Part in Samsung Electronics SOSCON2016 | Seoul, S.Korea |
| 2015 | Excellence paper , Undergraduate Paper Competition in KIISE 42nd Winter Conference | Pyeongchang, S.Korea |