

Seongho Yoon

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https://scholar.google.com/citations?view_op=list_works&hl=ko&hl=ko&user=yuxJxw8AAAAJ

EDUCATION

Mar. 2019 ~ Present	Kwangwoon University Department of Information Convergence <i>Advisor: Sangmin Lee</i> <i>Bachelor Student</i> GPA: 4.19 / 4.5	Seoul, Korea
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RESEARCH EXPERIENCES

Research Participant

- *AI as a Service Laboratory, Kwangwoon University, Korea (Jun. 2023 ~ Present)*
- Participated in research paper seminar
- Research on Weakly Supervised Semantic Segmentation in Digital Pathology

PATENTS

1. Joonhyeon Song, Seohwan Yoon, Seongho Yoon, Joohyeok Kim, Yunhyeok Do, "APPARATUS AND METHOD FOR WEAKLY SUPERVISED SEMANTIC SEGMENTATION FRAMEWORK OF IMAGE AND COMPUTER-READABLE RECORDING MEDIUM INCLUDING THE SAME", KR-Application No. 10-2024-0117533

RESEARCH INTERESTS

- Deep learning
- Machine learning
- Computer vision

PROJECTS

A web application for trend analysis and image search for users in the fashion industry

- *Industry-Academia collaboration capstone design project (Apr. 2024 ~ Oct. 2024)*
- Data collection automation using the Apache Airflow framework
- Development of an image retrieval system using the Grounded-SAM model on collected data

Mortality risk analysis using patient information

- *Team project for course Data Analysis of 2023 Fall semester (Oct. 2023 ~ Nov. 2023)*
- Using various types of machine learning and deep learning models for predicting mortality
- Rule extraction for patient mortality using a decision tree model
- Analysis of mortality scenarios for specific patients

Prediction of thyroid disease classification

- *Team project for course Data Mining of 2023 Fall semester (Oct. 2023 ~ Nov. 2023)*
- Training a predictive model to classify thyroid disease based on patient information
- Conducting feature engineering using various methods of feature selection and extraction

Generating questions based on summaries of international news articles

- *Team project for course Text Mining of 2023 Spring semester (Apr. 2023 ~ Jun. 2023)*
- Collecting international news article data through web crawling
- Extractive summarization techniques were utilized to convert the collected data into questions

Analysis of factors influencing specific types of traffic accidents

- *Team project for course Big Data Language of 2022 Spring semester (Apr. 2022 ~ May. 2022)*
- Collecting TMACS traffic accident data through web crawling
- Performing correlation analysis after merging various road information datasets

AWARDS AND HONORS

- Encouragement Award in the Industry-Academia Collaboration Software Project Exhibition, Kwangwoon University, Korea (Nov. 2024)
- Encouragement Award in the Capstone Design Exhibition of the School of Information Convergence, Kwangwoon University, Korea (Nov. 2024)
- National Science & Technology Scholarship, KOSAF, Korea (Mar. 2023 ~ Dec. 2024)
- Academic Excellence Scholarship, Kwangwoon University, Korea (Dec. 2022)
- Academic Excellence Scholarship, Kwangwoon University, Korea (Aug. 2022)
- Dean's List (Academic Excellence Award), Kwangwoon University, Korea (May. 2020)
- Academic Excellence Scholarship, Kwangwoon University, Korea (Dec. 2019)
- Academic Excellence Scholarship, Kwangwoon University, Korea (Aug. 2019)

SKILLS AND TECHNIQUES

- Python, Java
- Scikit-learn, PyTorch, Tensorflow, Keras
- Numpy, Pandas, Matplotlib, Seaborn

CERTIFICATION

- SQLD (Sep. 2022)
- ADsP (Sep. 2022)
- Korean History Proficiency Test level 1 (Sep. 2021)

ENGLISH PROFICIENCY

- TOEIC 825 (Feb. 2024)

WORK EXPERIENCE

- Working as a tutor at D.LAB Coding Academy Jeongja Branch(Mar. 2023 ~ Nov. 2024)