

Keunsuk Cho

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Personal Profile

A Korea University graduate student who is enrolled in the Data Science and Analysis program. Dedicated to software engineering, having two or more years of expertise, and specialising in deep generative task and its evaluation, machine learning, and signal processing. Searching mostly for Machine Learning, Data Scientist, and Python Development positions.

Education

Korea University

MSc in Science

Seoul, Korea

March 2022 - Current

- **Courses:** Data Science, Data Visualization, Signal Processing, Reinforcement Learning, Advanced Mathematics Seminar (Ranking Selection, Bayesian Optimization, and Knowledge Gradient)

Korea university

Bs in Science

Seoul, Korea

March 2016 - Feb 2021

- Graduated with Distinction

University Projects

Synthesizing Artificial Seismic Waveform

Korea University

Seoul, Korea

Mar 2023 - Feb 2024

- Lead of the project
- Construct datasets for the training and evaluating model
- Conduct an efficient and novel EDA using machine learning
- Develop a theoretical evaluation metric for the seismic waveform generation using domain knowledge in seismology
- Develop multiple GAN models as a baseline model
- Develop a loss function stabilizing training of GAN for seismic waveform generation
- Develop the entire pipeline for train and evaluation of the model
- Published a paper
- **Technical Skills:** Python (Pytorch, Numpy, Pandas, seisbench, obspy, sklearn, matplotlib, seaborn)
- **Soft Skills:** Report writing, Logical Thinking, Critical Thinking, Time Management, Teamwork

AI Grand Challenge 2022

Korea University

Seoul, Korea

Sep 2022 - Dec 2022

- Collect raw data of over 200K files using crawling
- Develop a module for extracting structured information from a chart image.
- **Technical Skills:** Python(Pytorch, EasyOCR, Pandas, Requests, BeautifulSoup)
- **Soft Skills:** Communication, Teamwork, Critical Thinking

Search module for Public Document Corpus

Nara Information (Inc)

Seoul, Korea

March 2024 - July 2024

- Develop a custom database framework for information retrieval
- Developed and training a dense passage retrieval algorithms
- Developed an ensemble retrieval algorithm considering the difference in the uncertainty
- **Technical Skills:** Python(Pytorch, sklearn, nltk, spaCy)
- **Soft Skills:** Communication, Teamwork, Critical Thinking

Travel Site Recommendation

Nara Information (Inc)

Seoul, Korea

March 2024 - July 2024

- Data cleansing, Feature Engineering
- Developed extensive types of recommendation algorithm
- **Technical Skills:** Python(pandas, numpy, scipy, sklearn)
- **Soft Skills:** Communication, Teamwork, Critical Thinking

Skills

Programming Python (PyTorch, NumPy, Pandas, Scikit-learn. etc.)

Miscellaneous Linux, Shell (Bash/Zsh), \LaTeX (Overleaf/R Markdown), Docker, Microsoft Office, Git.

Soft Skills Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Publications

JOURNAL ARTICLES

AUGUST 26, 2024

Languages

English Professional proficiency

Korean Native proficiency

References available upon request.