Jae Woo So

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Summary

- Current Job List -
[Finance Industry]
1. R&D on machine learning-based investment and asset management methodologies
2. R&D on AI-powered ESG rating and consulting

- Past Job List -
[Bio & Healthcare Industry]
1. Analysis omics data with deep learning
2. Integrated deep learning predict system based on medical image & gene expression data
3. Machine Learning-based Drug Response Prediction Study

[Semiconductor industry]
1. R&D of machine learning-based wafer non-destructive inspection algorithm.
2. R&D of computer vision-based display panel inspection algorithm

Experience

Machine Learning Researcher

Daishin Economic Research Institute

Sep 2020 - Present (2 years 2 months +)

Worked on applying machine learning technology to financial engineering and ESG evaluation services.

- Development of real-time news analysis system for ESG risk and classification
- Corporate equity structure visualization modeling
- Development of investment model based on machine learning model
- Media data-based enterprise ESG risk prediction
- Development of automatic collection and classification system for Fair Trade Commission deliberation and decision data

Artificial Intelligence Researcher

Theragen Bio

Apr 2018 - Sep 2020 (2 years 6 months)

I research & develop a.i based solution for omics , clinical, and medical image data.

- Predictive modeling based on genetic data.
- Predict patient drug responsiveness with clinical data.
- Classification of cancer types by medical image data.
- Classification of health status with microbiome data.

Research Engineer

Etamax
Nov 2015 - Apr 2018 (2 years 6 months)
Main job is "Customized Measurement Machine Development". Client want
- Skill -
· Data Analysis.
· Model Design
· Machine Learning, Deep Leaning
- Computer Vision

Education

Kyushu University
Master of Engineering - MEng, Artificial Intelligence
2012 - 2014
Paper - Swarm Reinforcement Learning Algorithm with Characterized Agents
Reinforcement Learning , Optimization , System Desgin

Kyushu University
Bachelor of Engineering - BE, Electrical Engineering and Computer Science
2008 - 2012

Licenses & Certifications

How Google does Machine Learning - Google Cloud Training Online
QK8EF7ZBBN59

Launching into Machine Learning - Google Cloud Training Online
Y23EUA5M2VPP

Architecting with Google Kubernetes Engine: Foundations - Google Cloud Training Online
Z2S24HK6SC9W

Architecting with Google Kubernetes Engine: Workloads - Google Cloud Training Online
5GQPTV8RQJG7

Architecting with Google Kubernetes Engine: Production - Google Cloud Training Online
UPGCUXSC35FS

TensorFlow on Google Cloud - Google Cloud Training Online
ZXLK85Z74E2X

Feature Engineering - Google Cloud Training Online
5L95WEK9V6K4

Machine Learning in the Enterprise - Google Cloud Training Online
58XHK58ZMC9L

Production Machine Learning Systems - Google Cloud Training Online
Z9ARHV2JEEZP

End-to-End Machine Learning with TensorFlow on Google Cloud - Google Cloud Training Online
UYUSCW68U36J

Machine Learning on Google Cloud Specialization - Google Cloud Training Online
582ZT8UGBKHN

Skills

Artificial Intelligence (AI) • Machine Learning • Kubernetes • MLOps • PyTorch • TensorFlow • Deep Learning • Python (Programming Language)

Honors & Awards

Gimhae Fire Prediction Competition - Korea Land and Housing Corporation
Dec 2019
The city of Gimhae intends to contribute to the efficient distribution of administrative power by converging firefighting and building-related information to analyze and predict the fire risk in the region, and use it to conduct intensive and active fire prevention activities.
We use firefighting and building-related data collected by Gimhae City to present a fire risk analysis and prediction model for buildings.