LI BOXIAO

MIYAGI SENDAI

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EDUCATION

Huazhong University of Science and Technology *July 2018 - June 2022*
Information Management and Information System

GPA: 3.86/4.00

Tohoku University *Sep 2022 - Ongoing*
Information Science

WORK EXPERIENCE

Intern in Sensetime Seq 2021 - Jan 2022
Research on the application of computer vision in coal mines

Using computer vision-related algorithms to provide technical support for smart mines, developing and testing algorithms such as mine dust removal and safety helmet recognition, and coordinating between front-end and back-end systems. The project was successfully launched.

PROJECTS

Deep Learning Based Traffic Flow Prediction
University Students' Innovation and Entrepreneurship Program
A study of the literatures on spatio-temporal prediction. From the very first ARIMA model to Resnet to ST-GCN, the history of the field is studied to analyze the problem. The aim is to improve the current algorithms and use the data to better predict traffic flow for the creation of smart cities.

Cassava Leaf Disease Classification
Kaggle Competition
Task is to classify each cassava image into four disease categories or a fifth category indicating a healthy leaf. By using SOTA model like EfficientNet to transfer learning, using resnet to ensemble, and using mixup, cutmix to heavy data augment, last got top 7 % in the competition, 235th of 3900.

STRENGTHS

Programming & Skills	Python, Javascript
AI Tools	OpenCV, PyTorch
Language	**English:** Toeic 895, **Japanese:** JLPT N2

AWARD-WINNING EXPERIENCE

Cassava Leaf Disease Classification Jun 2021 - Feb 2021
Kaggle Competition Bronze Medal

RANZCR CLiP - Catheter and Line Position Challenge Dec 2020 - March 2021
Kaggle Competition Silver Medal

The Interdisciplinary Contest in Modeling (ICM) March 2020 - March 2020
Honorable Mention

RESEARCH EXPERIENCE

1.[**Be accpected to Risk Analysis**] Qi chao,Luo Lanjun, **Li Boxiao**
Spatial-Temporal Multi-Graph Convolutional Network-based Provincial-Day level Terrorism Risk Prediction

2.[**Be accpected to Scientific Reports**] Luo lanjun, **Li Boxiao**
Interpretable Spatial IDentity Neural Network-based Epidemic Prediction

2.[**Be accpected to the 9th IEEE CSDE 2022**] Luo lanjun, **Li Boxiao**
Interpretable machine learning-based terrorist attack success rate prediction