Hsin-Yu Ho

hsyho11.github.io

hsinyuho.chloe@gmail.com

github.com/hsyho11

linkedin.com/in/hsyho11

+886 987845609

Summary

I am a passionate data scientist and software engineer who excels at solving practical problems, especially in various data analysis by designing ML/DL algorithms and applying statistical strategies. In addition, I am also a foodie and music-lover.

Skills

- Programming related
  - ·**Python/Pytorch/Scikit-learn**
  - ·**R/Rcpp**
  - ·Java
  - ·C/C++
  - ·PHP
  - ·MySQL
  - ·HTML/CSS
  - ·Linux
  - ·Git
- Others
  - ·Adobe PS/Ai
  - ·SPSS

Language

·**Mandarin (native)**
·**English (TOEIC 900) [2016]**
·Japanese

Interests

Data Science, Machine learning, Web Development

Education

2019~2021 **M.S. of Science (Major at Data Science)** **GPA 4.15**
National Taiwan University (NTU)
Thesis
MSG: Multi-faceted Spatial-adaptive Graph Neural Network for Social Recommendation in Virtual World

2016~2019 **Big Data Analysis Program**
National Cheng Kung University (NCKU)

2015~2019 **B.S of Science (Major at Statistic)** **GPA 4.18**
National Cheng Kung University (NCKU)

Work experience

Teaching Assistant (TA)
NTU EE Data Science, Sep. 2020 - Jan. 2021
·Tutorial on data science (theoretical and practical)
·Homework assignment and grading

Reasearch Assitstant(RA)
PolyU at Hong Kong, July. 2018 - Aug. 2018
·Writing a teaching manual on how to use the Bloomberg financial system.
·Analysis on minorities in Hong Kong.

Recent Projects

2021 HOHOHO: intracranial HemOrrHage detectiOn enHenced by asymmetric lOss with CNN-LSTM
Graduate Team Project
Computer Vision | Deep Learning | Smart Medical
- in-class competition : 3rd place
- classify whether a patient has one of five hemorrhage by directly analyzing MRI images (accuracy : 78%)

2020 Inferring Multiple Diffusion Networks with User Behavior
Graduate Research Project
Social Network | Network Inference
- leverage the distribution and impact of distinct types of user behavior to infer multiple diffusion networks.

2020 What makes song popular ?
Graduate Team Project
Data Science | Data Analysis | Clustering
- length of a song and artist' name are matters for whether a song will become popular.

2020 Doodle classification by analyzing their true selves in reality
Graduate Team Project
Computer Vision | Deep Learning | Transform Learning
- leverage data augmentation and domain adaptation method.