

I-SHENG FANG

ishengfang.github.io

GitHub, Instagram ◇ ishengfang

+886 · 935 · 832173 ◇ nf0126@gmail.com ◇ ishengfang@icloud.com

EDUCATION

- Graduate student** *September, 2020 -*
The Master's Degree Program in Robotics, National Chiao Tung University.
- Graduate student** *January, 2020 - August, 2020*
Computer Sciences, National Chengchi University.
- Bachelor of Science** *September, 2013 - January, 2018*
Mathematical Sciences, National Chengchi University.

PUBLICATIONS

- Self-Contained Stylization via Steganography for Reverse and Serial Style Transfer**
Hung-Yu Chen*, I-Sheng Fang*, Chia-Ming Cheng, Wei-Chen Chiu.
(* indicates equal contribution.)
IEEE Winter Conference on Applications of Computer Vision (WACV), 2020.
[\[Project Page\]](#) Co-First author. Combine neural style transfer and deep steganography, resolve reverse and serial issue of style transfer.

APPOINTMENTS

- Enriched Vision Applications Lab** *September, 2018 - September, 2019*
Research Assistant
Lab of National Chiao Tung University. My advisor is Professor Wei-Chen Chiu.
- The First Step of AI and Deep Learning with Python** *July, 2018 - September, 2018*
Teaching Assistant
The MOOCs of National Chengchi University.
Wrote the cue for video cut and additional tips, solved students' problems by online and offline.
Teacher is Prof. Yen-lung Tsai.
- Fire Department, New Taipei City Government** *March-June, 2018*
Fire Fighting Substitute Military Services
Discharged on June 23rd, 2018.
- InQtech Co.,Ltd** *September, 2017 - June, 2018*
Deep Learning Scientist
InQtech is AI and AIOT startup. Deployed AI in industry.
Researcher of PCB segmentation by GAN project.
Used semi-supervised GAN model to segment part of PCB for robotic assembling.
- The First Step of Data Analysis with Python** *September, 2017 - January, 2018*
Teaching Assistant
The MOOCs of National Chengchi University.
Wrote the cue for video cut and additional tips, solved students' problems by online and offline.
Teacher is Prof. Yen-lung Tsai.

Leopard Mobile

intern

July-September, 2017

Data analysis in CM Security commerce realization team.

Predicted user behavior prediction with deep learning model

NCCU Deep Learning & TWSIAM Student Group

January, 2017-January, 2018

Member

Winning **first** place of study group final presentation in NCCU.

Usually discussion host, especially in GAN.

DiaSEA, South East Asia Language Exchange Platform

2016

Co-Fuonder

Led the team to win the **first place** of the course, The First Step of Startup.

PROJECTS

Reviving Ri-Xing Type Foundry Kai Typeface with GAN

2016-2018

End-to-end process experience from data collation to model building.

Try to repaire and digitalize typeface model with unsupervising deep learning model.

Font Design with Progressive invariant GANs

2017

Honorable Mention of MOST Workshop on Generative Adversarial Networks and GAN Project Competition. Introduced GLCM, a invariant, in progressive growing VAE-GAN to embed font in \mathbb{R}^{300} latent space. Generated new font or glyph by modified the latent space Improved training speed, convergence speed and higher resolution.

Hanzi Typeface Research with Conditional Generative Adversarial Network

2017

Poster of Taiwan Society for Industrial and Applied Mathematics Annual Meeting.

Using autoencoder and conditional GAN to embed font in \mathbb{R}^n latent space.

Advisor: Prof. Yen-Lung Tsai.

Kaggle Quora Question Pairs

2017

Final Project of the course, Web Searching and Mining.

Binary classified question pairs same or differnet.

Comparing 1DCNN, 2DCNN, LSTM model.

#646 Score: 0.17892

Major League Baseball Game Predictor

2017

Final Project of the course, Applications of Mathematics Softwares.

End-to-End process experience. Information graph with 2D CNN.

NCCU x NTUST Hackathon

2015

Built SNS for smallholders and Decentralize agricultural sales.

TECHNICAL SKILL

Computer Languages

Python

Data Science related

Pandas, Mathplotlib, scikit-learn

Deep Learning related

PyTorch, Keras, TensorFlow

Computer Vision related

OpenCV

NLP related

NLTK, Indri

Tools

VS code, Jupyter Lab & Notebook, Vim, Bash, Linux

Others

Film Photography, Typography, Pitching, Curation