

I-SHENG FANG

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EDUCATION

Graduate student

September, 2020 -

The Master's Degree Program in Robotics, National Yang Ming Chiao Tung University, the merger of National Chiao Tung University and National Yang Ming University.

Graduate student (temporally leaving)

January, 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*July-September, 2017**intern*

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

Deep Learning related

PyTorch, Keras, TensorFlow

Computer Vision related

OpenCV

Tools

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

Others

Film Photography, Typography, Pitching, Curation