I-SHENG FANG

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EDUCATION

Graduate student   *September, 2020 -*
The Master's Degree Program in Robotics, National Chiao Tung University.

Graduate student   *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 nerual style tansfer and deep steganography, reslove
reverse and serial issue of stlye 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 modtified 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
Tools	VS code, Jupyter Lab & Notebook, Vim, Bash, Linux
Others	Film Photography, Typography, Pitching, Curation