

Shih-Yi (Matteo), Soo

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EDUCATION

National Tsing Hua University

M.S. in Computer Science

Hsinchu, Taiwan

September 2018 - April 2021

Soochow University

B.S. in Computer Science and Information Management

Taipei, Taiwan

September 2014 - June 2018

WORK EXPERIENCE

E.sun Financial Holding Corporation, Ltd

Machine Learning Engineer and Technical Management Associate (TMA)

Taipei, Taiwan

July 2021 - Present

- Used embedding technique to strengthen the verification that a series of customer buying behavior predictions are effective.
- Fine-tuned the Albert pre-trained model for classifying customer satisfaction questionnaire that saved 40 hours of manual labeling per season, and also applied data augmentation for solving the limited data.

Walsin Lihwa Corporation

Data Engineer - internship

Taipei, Taiwan

April 2018 - July 2018

- Applied the PageRank algorithm on text summarize for the specific industrial know-how and used bi-LSTM model to generate a summarize news for factories.
- Implemented a web crawler program according to the IT requests from HR department.

PROJECTS

Singing Voice Synthesis with Vocal Harmony

March 2019 - September 2019

- Used WORLD vocoder as the reconstructed waveform basis to synthesize a two-part harmony vocals with low-distortion solution and abiding by counterpoint music composition theory.
- Honor: CTCI Foundation - AI Innovative Competition, 3rd place of AI & Arts (and NT\$200,000 in prize money)

AI Cloze Test System

November 2018 - January 2019

- Built up an AI Cloze test system which used the Google Bert model with 80% accuracy.
- Honor: Got 1st place in NTHU AI introduction course on platform of Kaggle competition

StrikeZone - Virtual Strike Zone with AR Technology

March 2017 - November 2017

- Used Unity (C#) to develop an AR 3D scene model and Firebase cloud database to store the hitter info for detecting the baseball whether passing the strike zone.
- Honor: International ICT Innovative Service Awards 2017 2nd place of information technology

TECHNICAL SKILLS

Programming Languages

Python, Java, C++

Web Development

HTML5, JavaScript, CSS

Deep Learning

PyTorch, TensorFlow, Keras

Others

Linux(Ubuntu), Git, Markdown, LaTeX