HSIAO-TZU HUNG

+886934457497 ⋄ r08922A20@csie.ntu.edu.tw

Currently a first-year graduate student in computer science. Has one-year full-time experience in machine learning and multimedia information retrieval, and published three related papers. An extremely communicative person and a team player.

EDUCATION

National Taiwan University *Start from March 2020*
M.S @ Computer Science

National Tsing Hua University *September 2010 - June 2014*
B.S @ Physics

WORK EXPERIENCE

Taiwan AI LAbs, Taiwan Feb. 2019 - Feb. 2020
Full-time Machine Learning Research Internship

- Build a basic Jazz melody automatic generation system, paper published.
- Build a 200,000+ music dataset
- Build a system to classify emotion of music automatically, paper published.
- Enrich the interaction between Yating(the music AI) and user: Image-conditional music generation

Institute of Information Science, Academia Sinica, Taipei July 2018 - July 2019
Research Assistant

- Music automatic generation
- Basic understanding about speech processing and natural language processing.

National Lan-Yang Girls' Senior High School Aug 2017-June 2018
Physics teacher

National Chu-Pei Senior High School Aug 2015-July 2016
Physics teacher

National Chu-Pei Senior High School Jul 2014-Jan 2015
Practice Physics Teacher

PUBLICATIONS

Hsiao-Tzu Hung, Chung-Yang Wang, Yi-Hsuan Yang, Hsin-Min Wang, "Improving Automatic Jazz Melody Generation by Transfer Learning Techniques," in Proc. Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC) 2019, accepted.

Hsiao-Tzu Hung, Yu-Hua Chen, Maximilian Mayer,Michael Vtter, Eva Zangerle, Yi-Hsuan Yang "MediaEval 2019 Emotion and Theme Recognition task: A VQ-VAE Based Approach", in MediaEval Benchmarking Initiative for Multimedia Evaluation (MediaEval) 2019, two-page work note paper

Wen-Yi Hsiao, Yin-Cheng Yeh, Yu-Siang Huang, Chung-Yang Wang, Jen-Yu Liu, Tsu-Kuang Hsieh, **Hsiao-Tzu Hung**, Jun-Yuan Wang, and Yi-Hsuan Yang,"Jamming with Yating: Interactive demonstration of a music composition AI", ISMIR demo paper (non-peer reviewed two-page extended abstract) 2019 (ISMIR'19-LBD)