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• apply machine learning to music • sm840816@gmail.com

NOW

Tencent Music Entertainment Researcher @ Multimedia Research Center ⇒ Machine learning algorithms for music recommendation	2020/04 - Present Shenzhen, China
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EDUCATION

National Taiwan University M.S. @ Computer Science	2018/09 - 2020/07 Taipei, Taiwan
National Tsing Hua University B.S. @ Industrial Engineering	2013/09 - 2017/06 Hsinchu, Taiwan

WORK EXPERIENCE

Taiwan AI Labs Research Intern & Machine Learning Engineer @ Music Team ⇒ Music generation by Transformer, and symbolic-domain music information retrieval	2019/06 - 2020/03 Taipei, Taiwan
Microsoft Research Intern @ Xiaoice Science Team, supervised by Ruihua Song ⇒ Lyrics generation, monodegreen generation, and story keyword extraction	2018/03 - 2018/08 Beijing, China
Academia Sinica Research Assistant @ Music and AI Lab, supervised by Yi-Hsuan Yang ⇒ Audio-domain music information retrieval, highlight extraction, and genre/mood classification	2017/06 - 2018/02 Taipei, Taiwan

SELECTED PUBLICATION

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- [1] **Pop Music Transformer: Beat-based Modeling and Generation of Expressive Pop Piano Compositions**
Yu-Siang Huang, Yi-Hsuan Yang
ACM International Conference on Multimedia, Oct 2020
* Open source: <https://github.com/YatingMusic/remi>
 - [2] **Pop Music Highlighter: Marking the Emotion Keypoints**
Yu-Siang Huang, Szu-Yu Chou, Yi-Hsuan Yang
Transactions of the International Society for Music Information Retrieval, vol.1, no.1, Sep 2018
* Open source: <https://github.com/remyhuang/pop-music-highlighter>
 - [3] **Generating Music Medleys via Playing Music Puzzle Games**
Yu-Siang Huang, Szu-Yu Chou, Yi-Hsuan Yang
AAAI Conference on Artificial Intelligence, Feb 2018
* Open source: <https://github.com/remyhuang/music-puzzle-games>