Yu-Siang Huang (黃郁翔)

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EDUCATION

National Taiwan University   September 2018 - (Expected January 2020)
M.S., Computer Science   *Taipei, Taiwan*

National Tsing Hua University   September 2013 - June 2017
B.S., Industrial Engineering   *Hsinchu, Taiwan*

WORK EXPERIENCE

Taiwan AI Labs   June 2019 - Present
Research Intern at Music Team, supervised by Yi-Hsuan Yang   *Taipei, Taiwan*

* Music Generation (by Transformer) [1,2]

Microsoft   March 2018 - August 2018
Software Engineering Intern at Xiaoice Science Team, supervised by Ruihua Song   *Beijing, China*

* Lyrics Generation, Mondegreen Generation

Academia Sinica   June 2017 - February 2018
Research Assistant at Music and AI Lab, supervised by Yi-Hsuan Yang   *Taipei, Taiwan*

* Music Content-based Retrieval, Music Highlight Extraction, AI DJ project [3,4,5]

Tsing Hua University   July 2016 - August 2016
Summer Exchange Student at Computer Science, supervised by Haizhou Ai   *Beijing, China*

* Preliminary Examination of Computer Vision

PUBLICATION

[1] **Jamming with Yating: Interactive Demonstration of a Music Composition AI**
Wen-Yi Hsiao, Yin-Cheng Yeh, **Yu-Siang Huang**, Chung-Yang Wang, Jen-Yu Liu, Tsu-Kuang
Hsieh, Hsiao-Tzu Hung, Jun-Yuan Wang, Yi-Hsuan Yang
ISMIR demo paper (non-peer reviewed two-page extended abstract), 2019

[2] **Learning to Generate Jazz and Pop Piano Music from Audio via MIR Techniques**
Yin-Cheng Yeh, Jen-Yu Liu, Wen-Yi Hsiao, **Yu-Siang Huang**, Yi-Hsuan Yang
ISMIR demo paper (non-peer reviewed two-page extended abstract), 2019

[3] **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, 2018

[4] **Generating Music Medleys via Playing Music Puzzle Games**
Yu-Siang Huang, Szu-Yu Chou, Yi-Hsuan Yang
Proceedings of the 32nd AAAI Conference on Artificial Intelligence, 2018

[5] **Music Thumbnailing via Neural Attention Modeling of Music Emotion**
Yu-Siang Huang, Szu-Yu Chou, Yi-Hsuan Yang
Asia-Pacific Signal and Information Processing Association Annual Summit and Conference, 2017