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EDUCATION

National Taiwan University <i>M.S., Computer Science</i>	Sep 2018 - (Expected Jan 2020) <i>Taipei, Taiwan</i>
National Tsing Hua University <i>B.S., Industrial Engineering</i>	Sep 2013 - Jun 2017 <i>Hsinchu, Taiwan</i>

WORK EXPERIENCE

Taiwan AI Labs <i>Research Intern at Music Team, supervised by Yi-Hsuan Yang</i>	Jun 2019 - Present <i>Taipei, Taiwan</i>
Microsoft <i>Software Engineering Intern at Xiaoice Science Team, supervised by Ruihua Song</i>	Mar 2018 - Aug 2018 <i>Beijing, China</i>
Academia Sinica <i>Research Assistant at Music and AI Lab, supervised by Yi-Hsuan Yang</i>	Jun 2017 - Feb 2018 <i>Taipei, Taiwan</i>
Tsing Hua University <i>Summer Exchange Student at Computer Science, supervised by Haizhou Ai</i>	Jul 2016 - Aug 2016 <i>Beijing, China</i>

PUBLICATION

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- [1] **Jamming with Yating: Interactive Demonstration of a Music Composition AI**
W.-Y. Hsiao, Y.-C. Yeh, **Y.-S. Huang**, C.-Y. Wang, J.-Y. Liu, T.-K. Hsieh, H.-T. Hung, J.-Y. Wang, Y.-H. Yang
ISMIR Late-Breaking/Demo (non-peer reviewed two-page extended abstract), Nov 2019
 - [2] **Learning to Generate Jazz and Pop Piano Music from Audio via MIR Techniques**
Y.-C. Yeh, J.-Y. Liu, W.-Y. Hsiao, **Y.-S. Huang**, Y.-H. Yang
ISMIR Late-Breaking/Demo (non-peer reviewed two-page extended abstract), Nov 2019
 - [3] **Pop Music Highlighter: Marking the Emotion Keypoints**
Y.-S. Huang, S.-Y. Chou, Y.-H. Yang
Transactions of the International Society for Music Information Retrieval, vol.1, no.1, Sep 2018
 - [4] **Generating Music Medleys via Playing Music Puzzle Games**
Y.-S. Huang, S.-Y. Chou, Y.-H. Yang
Proceedings of the 32nd AAAI Conference on Artificial Intelligence, Feb 2018
 - [5] **Music Thumbnailing via Neural Attention Modeling of Music Emotion**
Y.-S. Huang, S.-Y. Chou, Y.-H. Yang
Asia-Pacific Signal and Information Processing Association Annual Summit and Conference, Dec 2017

OPEN SOURCE

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- github.com/remyhuang/pop-music-highlighter: TensorFlow implementation for [3]
 - github.com/remyhuang/music-puzzle-game: TensorFlow implementation for [4]
 - github.com/remyhuang/midi-restringer: try to play any MIDI via string instruments