# Yu-Siang (Remy) Huang

APPLY DATA SCIENCE/MACHINE LEARNING AND MAKE IMPACTS

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*Be who you needed when you were younger.*

## Education

**National Taiwan University (NTU)**                                         *Taipei, Taiwan*
M.S. IN COMPUTER SCIENCE                                                     *September 2018 - July 2020*

**National Tsing Hua University (NTHU)**                                     *Hsinchu, Taiwan*
B.S. IN INDUSTRIAL ENGINEERING                                              *September 2013 - June 2017*

## Experience

**IE Capacity Planning @ Micron Technology**                                *Taichung, Taiwan*
ENGINEER                                                                     *August 2021 - Present*
- working on IE capacity auto planning

**Multimedia Research Center @ Tencent Music Entertainment**                *Shenzhen, China*
RESEARCHER                                                                   *April 2020 - July 2021*
- working on MIR tasks for QQ Music (one of the largest music streaming services in China)
- hit song prediction and all sort of musical embeddings involving all sort of MIR tasks
- responsible for machine learning models and backend engineering for Tencent Music open platform with cross-functional teams

**Music Team @ Taiwan AI Labs**                                             *Taipei, Taiwan*
RESEARCH INTERN                                                             *June 2019 - March 2020*
- working on symbolic-domain MIR tasks such as chord recognition and music generation
- two papers accepted by **ACM Multimedia 2020** and **ISMIR 2020**
- got the full-time machine learning engineer offer in January 2020

**Xiaoice @ Microsoft**                                                     *Beijing, China*
RESEARCH INTERN                                                             *March 2018 - August 2018*
- working on music-related NLP tasks such as Chinese lyrics generation, and mondegreen generation

**Music and AI Lab @ Academia Sinica**                                      *Taipei, Taiwan*
RESEARCH ASSISTANT                                                          *June 2017 - February 2018*
- working on audio-domain MIR tasks such as genre/emotion classification, highlight extraction, and AI DJ project
- three papers accepted by **APSIPA 2017**, **AAAI 2018** and **Transactions of ISMIR**

## Publication

**Pop music transformer: Beat-based modeling and generation of expressive pop piano compositions**                                                       *ACM Multimedia 2020*
YU-SIANG HUANG, YI-HSUAN YANG

**Pop music highlighter: Marking the emotion keypoints**                    *Transactions of ISMIR vol.1, no.1*
YU-SIANG HUANG, SZU-YU CHOU, YI-HSUAN YANG

**Generating music medleys via playing music puzzle games**                 *AAAI 2018*
YU-SIANG HUANG, SZU-YU CHOU, YI-HSUAN YANG

**Music thumbnailing via neural attention modeling of music emotion**       *APSIPA 2017*
YU-SIANG HUANG, SZU-YU CHOU, YI-HSUAN YANG