

JUNHAO WANG

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EDUCATION

Master of Arts, Music Technology

September 2020 - Present

McGill University, Montreal, QC, Canada

- Distributed Digital Music Archives & Libraries Lab (DDMAL)
- Centre for Interdisciplinary Research in Music Media and Technology (CIRMMT)
- GPA: 4.0 / 4.0

Bachelor of Engineering, Digital Media Technology

September 2016 - July 2020

Communication University of China, Beijing, China

- Key Laboratory of Media Audio and Video, Ministry of Education
- GPA: 3.46 / 4.0
- Outstanding Bachelor Thesis

EXPERIENCE

Research Assistant

September 2020 - Present

Distributed Digital Music Archives & Libraries Lab (DDMAL)

Montreal, QC, Canada

- Django web development for CantusDB

Local Coordinator

October 2020

The 21st International Society for Music Information Retrieval (ISMIR) Conference

Montreal, QC, Canada

- Host and support conference events
- Coordinate volunteers and session organizers
- Support and manage the virtual conference platforms

Research Assistant

May 2019 - July 2020

Key Laboratory of Media Audio and Video, Ministry of Education

Beijing, China

- Develop algorithms for automatic music generation and musical style translation
- Analyze and evaluate state-of-the-art deep learning models for music information retrieval tasks
- Attend weekly meetings to discuss progress and exchange ideas

Student Participant

July 2019 - August 2019

University of British Columbia

Vancouver, BC, Canada

- Vancouver Summer Program: Engineering The Sound Of Music
- 4-week intensive program on music-related engineering tasks offered by Electrical and Computer Engineering
- Final grades: 95 / 100 (A+)

RESEARCH INTERESTS

Music Information Retrieval Combine machine learning with audio signal processing with specific applications in automatic music transcription, music genre classification, music emotion classification and recommendation.

Music Generation and Adaptation Use machine learning and deep learning techniques to develop generative algorithms that assist human musicians in music composition, performance, style transfer and emotion transfer.

Optical Music Recognition Apply machine learning, especially deep learning, to extracting music information from music score image.

SKILLS

Programming Language: Python, Matlab, JavaScript, C/C++

Web Development: HTML, CSS, JavaScript, Django

Instrument: Guitar player for 7 years, band member for 3 years

Language: English-IELTS 8.0, Chinese Mandarin-native, French-un peu

Last updated: 2021-01-09