

KE-ROU WANG

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EDUCATION

University of Illinois at Urbana-Champaign, USA

Master of Science in Information Management

Aug. 2018 - Present

Current GPA: 4.00/4.00

National Chiao Tung University, Taiwan

Master of Science in Music Technology

Sep. 2011 - Dec. 2013

Overall GPA: 4.00/4.3

National Tsing Hua University Nan Da Campus, Taiwan

Bachelor of Art in Music

Sep. 2007 - June 2011

Overall GPA: 3.17/4.00

WORK EXPERIENCE

National Chiao Tung University, Taiwan

Architecture Institute, Research Assistant

Dec. 2013 - July 2015

- Writing project proposal and helping execute research plans, manage finance and site investigation/discussion.
- Supporting academic exchange program with Syracuse University (2014); assisting international competition – Solar Decathlon Europe 2014.

National Chiao Tung University, Taiwan

Dept. of Sound and Music Innovative Technology, Teaching Assistant

July 2012 - Dec. 2012

National Chiao Tung University, Taiwan

Dept. of Sound and Music Innovative Technology, Student Administrative Assistant

July 2011 - July 2013

RESEARCH FOCUS

Natural Language Processing, Data Analysis, Data Mining, Social Computing

RESEARCH EXPERIENCE

Gender biases in hurricane names

School of Information Science, University of Illinois at Urbana-Champaign

Oct. 2019 - Present

This project is about observing hurricane news and hurricane names to know whether there are gender stereotypes existed.

Analyzing terms of service for social media platforms

School of Information Science, University of Illinois at Urbana-Champaign

Jan. 2019 - Present

The project aims at making a list for social media platforms to collect information about Website/platforms name and whether the platforms have terms of service or application programming interface that can be used to collect data.

Interaction among electroencephalogram and audio signal

Sound and Music Innovative Technology, National Chiao Tung University

Sep. 2012 - Nov. 2013

Since musical programs also include sounds that can hardly be captured by traditional notate music, the research focuses on the experiments and generalization between sound effects used in modern music performances and brainwave features, especially focusing on split and connect each brainwave signal's traits and sound signals.

PUBLICATION

The Influence of Sound Effect Through Effector on Brainwave Features

K. Wang Y. Tseng

- WOCMAT International Conference, Computer Music and Audio Technology (2013)

THESIS

Design and Implementation of Auxiliary Performing Interface Based on EEG *Nov. 2013*

Advised by Dr. Yu-Chung Tseng

- Main contribution: Design an interface based on combining real-time brainwave signal and audio signal, for helping performers achieve a performing scene that is more experimental and have its physical meaning based on designed sound-based mappings. The interface has been applied in several performances and received positive feedback from composers/performers.

ADDITIONAL EDUCATION

University of Illinois at Urbana-Champaign, USA

Jan. 2017 - May. 2018

Intensive English Institute

COURSE PROJECT

What characteristics can we see by exploring the relationships between occurred UFO events and the area/climatic traits among the US? *Sep. 2019 - Dec. 2019*

IS590OM Open data mashups, UIUC

The goal of my final project is to combine a few datasets based on a dataset about UFO events that happened from 1949-2013. My idea is to gather information including climate (temperature and rainfall) and population (annual population by states) between 1949 and 2013.

TECHNICAL STRENGTHS

Computer Languages	Python, SQL
Software & Tools	Matlab, Latex, UML, R

SELECTED EXTRA-CIRRICULAR

Workshop of Computer Music and Audio Technology (WOCMAT) International Conference 2012: Student Assistant, Head of Public Relations

Music Department Student Association, NTHU 2009 to 2010: Leader of design team

Zhou-Yun Composer Recital 2013: Title-performer

WOCMAT 2012 Conference: WOCMAT2012 Sound Gallery: Gossip

Clork 2012: Title-performer

Wang Ke-Rous Graduate Recital 2011: Performer