

YUXI ZHANG

yuxi.zhang@cs.ucla.edu | 10959 Rochester Ave, Los Angeles, CA 90024 | <http://yuxizhang.github.io/>

Education

University of California, Los Angeles

Sep 2015 – Expected Mar 2017

Master of Science, Compute Science

- Current GPA 4.0

Shanghai Jiao Tong University

Sep 2011 – Jul 2015

- IEEE Honor Class, GPA 3.7
- Scholarships: Academic Excellence Scholarship, Xindong Scholarship
- Second Major in Musicology

University of California, Berkeley

Jul 2013 – Aug 2013

- Summer session, study in Philosophy and Psychology

Work Experience

Intern at Microsoft, Shanghai

Sep 2014 – Mar 2015

Live Media Broadcasting over Azure

- Developed a live media broadcasting platform over Microsoft Azure Cloud.
- Provided live online video seminars and online topic discussion with ADFS authentication.
- Successfully held Microsoft Greater China Region All-Hands meeting (over 400 people) in Nov 2014 and Feb 2015.

Research Experience

Big Data and Business Innovation Lab, SJTU

Jun 2014 – Jun 2015

Temporal-Spatial Models for Human Mobility Analysis

- Purpose on discovering mobility patterns and predict mobility behaviors through big trajectory data.
- Proposed an original Temporal-Spatial Latent Dirichlet Allocation Model to discover mobility patterns.
- Applied Input-Output Markov Model to predict mobility behaviors.

Brain-like Computing and Machine Intelligence Lab, SJTU

Nov 2013 – May 2014

Sonification of Electroencephalograph in Brain-Computer Interface

- Led a team of three, purpose on displaying emotion statements learned from brain signals through sound.
- Applied Short-Time Fourier Transform to extract features and Supporting Vector Machine to classify emotions.
- Utilized Harmony Theory in Musicology to synthesize final audio.

Publication

Zhang, Yuxi, et al. "Sonification for EEG Frequency Spectrum and EEG-Based Emotion Features." Neural Information Processing. Springer International Publishing, 2014.

Contests and Awards

Meritorious Award, The Mathematical Contest in Modeling

Feb 2014

The First Place, The Fourth Pro-Face Cup Human-Computer Interface Programming Contest

Nov 2012

National Finalist (64 out of 3850), MSRA Beauty of Programming Contest

May 2012

The First Place, National Olympiad in Informatics in Provinces (NOIP)

Nov 2010