Zhengshan Shi

CONTACT INFORMATION	*Home Address:* 119 Quillen Ct, Apt 200A Stanford, CA 94305	*Cell:* 917-868-5190 *E-mail:* kittyshi@ccrma.stanford.edu *https://ccrma.stanford.edu/~kittyshi/*

EDUCATION

Stanford University, Stanford, CA USA
M.A., Music Science and Technology, CCRMA, Jun 2014 (Expected)
Current GPA: 4.1/4.0   Advisor: Ge Wang

New York University, New York, NY USA
M.Mus., Music Technology - Signal Processing, May 2012
GPA: 3.827/4.0   Advisor: Juan Bello

Shanghai Conservatory of Music, Shanghai, China
B.A., Music Production and Design, July 2010
GPA: 90.4/100   Rank: 1/106

ACADEMIC EXPERIENCE

Stanford University, Stanford, CA USA
 Center for Computer Research in Music and Acoustics(CCRMA)
Graduate Teaching Assistant   Sep.2013 – Dec.2013
 Music 320 - Digital Signal Processing, taught by Dr. Julius O. Smith
 Designing Digital Signal Processing and matlab review sessions,
 Holding office hours, and grading weekly assignments.

Columbia University, New York, NY USA
 Laboratory for the Recognition and Organization of Speech
 and Audio (labROSA), Electrical Engineering Department
Summer Research Assistant   Jun.2013 – Aug.2013
 Developing an accurate and efficient way to match a midi file to the
 corresponding song id in the Million Song Dataset, with Dr. Dan Ellis.

New York University, New York, NY USA
 Music and Audio Research Lab (MARL)
- 3D Audio Research Group Project: Multi-Touch Room Expansion Controller for Real-Time Acoustic Gestures, with Dr. Agnieszka Roginska. The project provides a real-time room acoustics simulation through room impulse responses and real-time audio processing.
- Music Information Retrieval (MIR) Project: A Score Following system that matches audio contents with symbolic scores through audio feature extractions and dynamic time warping, with Dr. Juan Bello.

RESEARCH INTERESTS

Computational Models for music perception and cognition
Analysis and information retrieval of music scene

PUBLICATIONS | **Proceedings**
- Madden, A., Blumenthal, P., Andreopoulou, A., Boren, B., Hu, S., **Shi, Z.**, & Roginska, A. (2011). *Multi-Touch Room Expansion Controller for Real-Time Acoustic Gestures*. 131st Audio Engineering Society Convention, New York, NY.

Books
- CD production for
Liang. Q, Western Music Appreciation/CD. Shanghai People's Fine Arts Publishing House, 2009.

TECHNICAL
SKILLS | **Programming Skills**
  C, C++, JAVA, Matlab, Python, Arduino, Processing, Chuck

Music Applications
  Logic, Pro Tools, Symbolic Sound Kyma, Max/MSP
  CakeWalk/Sonar, Cubase/Nuendo, Finale, Sibelius

Other Applications
  Dreamweaver, Authorware, Final Cut Pro, Premiere Pro, Vegas, Photoshop, Word, Excel, PowerPoint

AWARDS | **Stanford University**
- Stanford Art Institute full scholarship for graduate study, 2012-2013.
- Stanford Applied Music Scholarship for Violin Study, 2012-2013.

New York University
- Music Technology Program Academic Excellence, Class of 2012.

Shanghai Municipal Education Committee
- Shanghai Merit Graduate Award, Class of 2010.

Shanghai Conservatory of Music
- The First Prize, People's Scholarship, 2009-2010.
- College Merit Student, 2008.

Music Awards
- The First Prize of the 34th France Argenteuil International Accordion Competition, Group 2G, 2001.

OTHER
EXPERIENCE | **The New York University Pipes and Drums Band**
  Member, Bagpipes Player   Jan. 2011-May.2012

Namm Show 2011, Anaheim, CA USA
  Consulting Assistant   Jan.2011
  Central Music Co, China.

eARTS Digital Audio China Competition, Shanghai, China
  Executive Secretary   Jan-May.2010

World Expo 2010, Shanghai, China
  Volunteer leader in the Culture Center   Apr.-May.2006

Shanghai International Electroacoustic Music Week
  Musician Assistant   Sep.2006, Oct.2009