

JENNIFER HSU

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education

Stanford University

Stanford, CA

Master of Arts in Music, Science, and Technology at

Center for Computational Research in Music and Acoustics (CCRMA)

September 2011 – April 2013

(expected)

University of California Berkeley

Berkeley, CA

Bachelor of Arts in Computer Science

Bachelor of Arts in Cognitive Science

August 2007 – May 2011

research interests

Music cognition, perception, and preference

Digital audio signal processing

Mapping human preferences for lower level musical features

Sound design, new methods of sound synthesis

work & research

Research Intern

Dolby Laboratories, San Francisco, CA

Supervisor: Poppy Crum

Design, implement and analyze a large scale perceptual test to be used with

Dolby post-processing algorithms

June 2012 - present

Research Assistant

Affective Cognitive Neuroscience Laboratory, UC Berkeley, CA

Supervisor: Sonia Bishop

Prescreen participants for behavioral and functional magnetic resonance imaging (fMRI) studies

Assist in design of experimental stimuli

Write programs to extract relevant information from experimental data

January 2010 – May 2011

independent research projects

Reverse reverberation VST plugin in 'real-time'

Supervisor: Jonathan Abel

September 2012 - present

Audio morphing in the spectral domain

Supervisor: Julius O. Smith

April 2012 – June 2012

Auditory filter banks

Supervisor: Julius O. Smith

January 2012 – April 2012

volunteer activities

CCRMA Modulations

January 2012 – April 2012

Organization committee

CCRMA's annual event consisting of live electronic music, dance, interactive sound installations by students, professors, and guest artists

Dancer

September 2009 – June 2011

Public Relations and Marketing Director

Main Stacks, UC Berkeley's competitive hip-hop dance team (*mainstacksdance.wordpress.com*)

Create flyers and videos for all team-related events

Work with small group of leaders to guide rest of the team

references

Available upon request