

Courtney Brown

Intermedia Artist, Software Developer, and Audio Specialist

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Education

DMA Candidate, Music Composition, emphasis in Digital Media, Expected Graduation: 2015
Arizona State University, Tempe, AZ

MA, Electro-Acoustic Music, 2008

Dartmouth College, Hanover, NH

Composition Studies with Newton Armstrong, Larry Polansky, Kui Dong, Jon Appleton

BS, Magna Cum Laude, Music, concentration in soprano and Computer Science, 2002

Loyola University New Orleans, New Orleans, LA

Vocal Studies with Mona Bond

Technical Work Experience

Audio Software Developer/Consultant, Brooklyn, NY
with Synchronome, Inc

June to July. 2011

-Developed audio implementation of software demo using FMOD audio library

-Miscellaneous rhythm transcription using Sibelius software and general computer music/real-time system consulting

Web Developer, Brooklyn, NY and Roanoke, VA
Freelance

Jan. 2011 to July 2011

-PHP and DHMTL to create web sites for artistic professionals

Volunteer Robotics Intern/Assistant, Brooklyn, NY
with Chico MacMurtrie of Amorphic Robots

Dec. 2010

-Experience with inflatable robotics

Digital Audio Software Developer, New York, NY
with Scratch DJ Academy

July 2008 to Nov. 2010

-Engineered custom real-time software audio engine for Scratch DJ Academy's *Mix*, DJ beat-matching and mixing software

-Experience in multiplatform (OS X and Windows) development with DirectX, CoreAudio, Soundtouch, Juce

-Experience with all phases of the software development cycle including design, implementation, upkeep, unit-testing, installation, and deployment

-Consultant for music theory/rhythm transcription

Audio Engineer, Audio Systems Researcher, Hanover, NH
Freelance

May 2006 to June 2008

-Researched and compared open-source audio tools on Linux

-Recorded and engineered both audio and video recordings of recitals and concerts

Software Developer, Durham, NC
with CogniSyst, Inc.

Oct. 2003 to Aug. 2006

-Created and maintained data-driven software for diagnostic psychological testing

Technical Skills

Languages: C/C++, JAVA, Processing, PHP, Delphi, Smalltalk, Visual Basic, UML, SQL, Pascal

Music Technologies: SuperCollider, Csound, ChucK, Open Sound Control, VST

plug-ins, MIDI, LilyPond, MAX/MSP, CoreAudio, DirectX, OpenAL, FMOD, Juce

Applications: XCode, Visual C++, Eclipse, Protools, Digital Performer, Cubase, FruityLoops, Sibelius, Finale, Peak, Maya, Adobe Photoshop, SVN

Physical Computing: solenoid motors, AVR/micro-processor programming, Arduino, accelerometers, contact mics, servos, inflatables, fm radio technologies, Bluetooth COM technologies

Teaching Experience

Teaching Assistant, Tempe, AZ **Aug. 2011 to present**
Arizona State University, Arts, Media, Engineering Dept.
Interactive Ensembles, Intro to Digital Audio, Professor: Garth Paine

Dance Instructor, Roanoke, VA **July 2011**
Argentine Tango Workshop for Beginners
with Salsa Noke

Teaching Assistant, Hanover, NH **Sept. 2007 to Dec. 2007**
Dartmouth Electro-Acoustic Music Program
Music and Technology, Professor: Newton Armstrong

Teaching Assistant, Chapel Hill, NC **Aug. 2002 to Apr. 2003**
University of North Carolina Chapel Hill, Computer Science Department
Intro to Computer Science (JAVA), Data Structures (C++)

Awards, Grants, and Residencies

Outstanding Computer Science Major, Loyola University New Orleans, 2002

Dartmouth Graduate Student Travel Award, 2008

ASCAP Foundation Morton Gould Young Composer Awards: finalist, 2009

Associate Artist, Atlantic Center for the Arts, New Smyrna Beach, FL, 2009

VCW Workshop, Diapason Gallery, Brooklyn, NY, June-July 2010

ExiTrip Project, with collaborator Justin Woo, 2011

Resident Artist, Kimmel Harding Nelson Center, Nebraska City, NE, (Declined), 2011

Novel Musical Interfaces and Robots

Percussive Bicycle Robot (2011) -- two wheels controlled by both MIDI and/or WiiMote via Processing, Arduino. <http://vimeo.com/22928019>

Robotic Chair (2010) -- ambulatory chair controlled by WiiMote and wireless serial via bluetooth chip and Processing, Arduino. <http://vimeo.com/19449509>

Balancing Act II performance system (2009) – broom that plays sounds louder the further it falls off the vertical axis via C++, accelerometer, and Supercollider
http://www.somethingfurry.com/portfolio/balancing_act_II.mp4

Every Night I Lose Control performance system (2008) – three accelerometer -based systems using C++, Bluetooth, open sound control, and Supercollider implementing three different metaphors for performer loss of control and/or failure.

Selected Performances

Gowanus Wildlife Preserve Showcase, April 29-30, 2011

Spoke the Hub, Brooklyn, NY

Art in Motion, April 15-17, 2011, Downtown Live, Jersey City, NJ

with Insurgio Stage Company

Provocative Objects, November 12, 2010, Boston, MA

Patricia Doran Gallery

Diapason Gallery, September 16, 2010, Brooklyn, NY

Triskelion, June 3-5, 2010, Brooklyn, NY

with Nu Dance Company

Poetry Electric, February 15, 2010, La Mama E.T.C., New York, NY

with Woo Brown Duo

Juddertone Dance 2009, November 13-14, 2009, Boston University Dance Theater

INsideOUT, July 17, 2009, Atlantic Center for the Arts, New Smyrna Beach, FLA

Cabaret Show at The Tank, April 25, 2009, 45 Street Theater, New York, NY

New York Electro-Acoustic Music Festival, April 2-4, 2009, City University of New York

The Elevens, January 19, 2009, Northampton, MA

Sidewalk Tzara, The Outpost 186, Cambridge, MA., December 2008-present

Curating and performing in a monthly performance series the first Thursday of most months.

60X60 Project, 2008. A 60 second piece is included in the International and Evolution mixes of the Vox Novus 2008 60X60 project. Performance in the US and international locations.

The Murder Cabaret Show, July 5, 2008, The Tank, New York City

Performing a small solo set and the debut of *Rats* by Kirsten Volness

The Lilypad, May 19, 2008 Boston, MA

Every Night I Lose Control East Coast Tour, March 8-29, 2008

A solo tour of with dates in Providence, RI, Brooklyn, NY, Baltimore, MD, Washington, DC, Boston, MA, Charlottesville, VA, and Chapel Hill, NC

SEAMUS Conference 2008, April 3, 2008, Salt Lake City, UT

The Hartt-Dartmouth Exchange Concert Series, 2007-2008

Co-organizer and founder

Princeton-Dartmouth Exchange Concert Series, April-May 2008

Co-organizer and founder

Festival of the New Musics, April 2007-8, Dartmouth College, NH

The Laila Lounge, February 2008, Brooklyn, NY

with Electrocab

the way to go out, 2007-8, Spheris Gallery, NH

with Electrocab, Dartmouth Contemporary Music Ensemble

Chosen Vale International Trumpet Festival, June 2007, Enfield, NH

The Boston CyberArts Festival, April 2007, Brandeis University, MA

Recent Compositions

2011

Places to Go, People to See!

for 6-8 hacked iTrips, 24 radios, 2-3 performers and 6-8 mp3 players

Collaboration with poet Justin Woo and dancer Morgan Refakis

Abacus for the Body

for percussive bicycle robot, accordion, wiimote, and voice
Music for dance/theater production *The stories we are*
for accordion, voice, and live electronics
Collaboration with Insurgio Stage Project, artistic director Avianna Perez

2010

Volcadas con Silla

for dancing chair robot, live electronics, voice

tango for the loss of my job

for soprano, bass clarinet, guitar, violin, viola, cello, double bass, and snare drum

Origami Cranes

for 3 paper folders and 3 or more unspecified instruments

I'll huff and puff and I'll blow your house down

for 3 video performers and live electronics

I will grow teeth

for flute, bass clarinet, piano, violin, cello, and marimba

In which these implications appear to present difficulties

for toy piano and live electronics

Experience Curating and Organizing

Sidewalk Tzara (2008-2009) founder, curator, producer

A monthly experimental performance series at The Outpost, Cambridge, MA

The Hartt-Dartmouth Exchange Concert Series (2007-2008) co-founder, organizer

A composer exchange between Dartmouth College and Hartt School of Music

Princeton-Dartmouth Exchange Concert Series (2008) co-founder, organizer

A composer exchange between Dartmouth College and Princeton University

Graduate Concert Organizer/ Promoter, (2007-8) originated position

Organized graduate concerts and performances for the Electro-Acoustic Music program

Additional Instrumental and Dance Skills

Voice, 1987 to present, notable teachers include Wayne Gibson, Mona Bond, and Isobel Bartz

Guitar, 1994 to present, beginning folk/classical lessons with Tim Martin and self-taught

Piano Accordion, 2003 to present, studied with David DiGiuseppe and Jeremiah McLaine

Argentine Tango, 2005 to present. classes at Tangophilia, Durham, NC, Dartmouth Tango Society, Hanover, NH, Triangulo Studio, NYC

Contact Improvisation, 2010 to present, classes at Movement Research, various instructors, workshop with Ted Johnson