

DEREK KWAN

percussionist / digital artist / computer programmer
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// EDUCATION

State University of New York, Stony Brook (Stony Brook, NY) 2015
Doctor of Musical Arts: Percussion Performance
Queens College, City University of New York (Flushing, NY) 2010
Master of Arts: Percussion Performance
University of California, Davis (Davis, CA) 2008
Bachelor of Arts: Music Performance (Percussion)
Bachelor of Science: General Mathematics

// PROFICIENCIES

Programming Languages

Most comfortable with: C, Python, HTML/CSS, JavaScript, Max/MSP/Jitter, Pure Data (and external library development in C), Processing, SuperCollider

Familiar with: Bash, PHP, Tcl, Lua, Scheme, Common Lisp

Other Music Software: Audacity, Ardour, Ableton Live, LilyPond, Logic Pro, Pro Tools, Sibelius

Other Software: Linux, Vim, Emacs

// LECTURES/PRESENTATIONS

Cloning Max/MSP Objects: a Proposal for the Upgrade of Cyclone 2016
Presentation with Alexandre Torres Porres and Matt Barber at PdCon16 (New York, NY)
The Electronic/Electroacoustic Performance Practice of John Cage's *Fontana Mix* 2013
Doctoral Lecture/Recital (Stony Brook, NY)

// SOFTWARE PROJECTS

various Pure Data abstraction and external libraries: pdkm, pdkvabs, etc. 2016-17
one of the main contributors to Pure Data's **Cyclone v3** Max compatibility library 2016-17

// COMPOSITIONS/REALIZATIONS

dxk-sc140 - ongoing series of SuperCollider tweet-sized miniatures 2017
deep dark everblue - slowburning, ambient, list-munging Pd environment 2017
airportmusic - fixed-media sonification of Hong Kong airport arrivals and departures 2016
lucas-1%14_0116 - electronic melodies in Pure Data based on Lucas numbers 2016
putchar - a series of short fixed-media algorithmic compositions 2015
socketMusic:wireless for percussion and socket.io-enabled mobile devices 2015
Love Letter for solo hand drum and electronics after a postcard score by Liza Lim 2015
shoebox memories for kalimba and SuperCollider 2014
magic smoke for laptop, smartphone, inductive telephone pickup, and SuperCollider 2014
a realization of **Earle Brown's *December 1952*** for radio broadcasts and found metals 2013

a mosaic of acoustic and electronic realizations of John Cage's <i>Variations II</i>	2013
<i>fiahwrkz</i> for 2-channel fixed media	2012
simultaneous acoustic and electronic realizations of John Cage's <i>Fontana Mix</i>	2012
<i>shimmer go slowly</i> for glockenspiel solo and Max/MSP	2012
<i>silky anteaters</i> for piano, violin, electric guitar, double bass, vibraphone, and drumset	2010
<i>violetblue clouds forever</i> for flute, vibraphone, and glockenspiel	2010
<i>streetlight puddle night</i> for glockenspiel solo	2010

// PROFESSIONAL EXPERIENCE

Teaching Learning Lab, Stony Brook University (Stony Brook NY) 09/2013 - 08/2015
Lab Assistant/Programmer

- collaborated with faculty on multimedia projects and helped them gain familiarity with various creative coding tools (Max/MSP/Jitter, Pure Data/GEM, Processing).
 - projects involved manipulating audio and video with the Microsoft Kinect and NeuroSky MindWave headset and a Python script to map the fundamental frequencies of Mandarin Chinese to instruments sounds
- worked on full-stack web development projects utilizing HTML, CSS, PHP, JavaScript, jQuery, and AngularJS.
 - projects include an competitive trivia quiz with a leaderboard and achievement badges, an SVG graph generator interpreting wildlife hierarchy data, a video player with timed quiz questions.
- collaborated with dance faculty including developing Processing code to visualize body position/movement detected by the Kinect.

New York City Electroacoustic Music Festival (New York, NY) 01/2015 - 02/2015
Submission Reviewer

- reviewed composition submissions for the 2015 edition of the annual festival

Music Library, Stony Brook University (Stony Brook, NY) 07/2013 - 12/2013
Audio/Video Collections Manager

- Digital archival of music library collections
- reproduced recordings of university concerts upon student and faculty request
- supervised music library technology including computer carrels and the smart board-equipped meeting room

Computer Music Studio, Stony Brook University (Stony Brook, NY) 09/2012 - 08/2013
Graduate Assistant

- Live sound reinforcement and assistance with digital media for SBU Music Department concerts
- assisted with audio equipment and networking (through JACK) for Virtual Tour: A Reduced Carbon Footprint Concert Series on April 7th, 2013 at SBU. The telematic concert involved performers at UC San Diego and SBU performing together live through Internet 2.
- setup a recording studio at the Tabler Center at SBU and served as audio engineer (utilizing Pro Tools and Logic Pro) for trial recording sessions June-August 2013.

Private Instructor in Percussion (Flushing, NY)

09/2010-07/2011

Freelance

- Taught private lessons in percussion to students ranging from high school students to adults

// SELECTED PERFORMANCES

Fifth International Pure Data Convention (PdCon16) (New York, NY) 2016
Derek Kwan - *shoebox memories* (Pd version), Hans Tammen - Dark Circuits Pd Orchestra

New York City Electroacoustic Music Festival (New York, NY) 2016
Derek Kwan - *airportmusic*

UC Davis Shinkoskey Noon Concert (Davis, CA) 2016
Solo percussion/electronics recital featuring works by Derek Kwan, Jason Eckardt, Martin Matalon, and Karlheinz Stockhausen

New York City Electroacoustic Music Festival (New York, NY) 2015
Derek Kwan - *shoebox memories* (2014/revised 2015) for kalimba and SuperCollider
Nat Grant - *With the Inside Where the Outside Should Be* for vibraphone with digital integration

New York City Electroacoustic Music Festival (New York, NY) 2014
Ethan Greene - *Lissajous* for vibraphone and Max/MSP

Hell's Bells Percussion at Cloud City (Brooklyn, NY) 2013
Aaron Siegel - *Science is Only a Sometimes Friend*

New York City Electroacoustic Music Festival (New York, NY) 2013
Mei Fang Lin - *Flux* for marimba and electronic sound

Iktus Percussion at Make Music NY (New York, NY) 2012
Karlheinz Stockhausen - *Musik im Bauch* (execution/design of electronic sound)

Stony Brook Contemporary Chamber Players (New York, NY) 2012
Du Yun - *Keep Something Broken* (world premiere)

Bang on a Can Marathon (New York, NY) 2011
Anthony Gatto - *Portrait of Eva Hesse* for percussion ensemble

Elevator Rose at Death By Audio 2011
Kwan - *silky anteaters*, Vasudevan Panicker - *i heart pulse v2.0*, Andriessen - *Worker's Union*

Elevator Rose at Thalia Cafe, Symphony Space (New York, NY) 2011
Music by Derek Kwan, Laurence Goldman, Daniel Fine, and Patrick Kelley

Talujon and Friends at Symphony Space (New York, NY) 2011
Alberto Ginastera - *Cantata para América Magica*

Brooklyn Composers Collective at The Tank (New York, NY) 2010
Steve Reich - *Music for Pieces of Wood*, Amir Shpilman - *As If These Clouds* for percussion sextet (world premiere)

Elevator Rose at Glasslands (Brooklyn, NY) 2010
Derek Kwan - *silky anteaters* (world premiere), Terry Riley - *In C*

Diaghilev Multimedia Celebration (New York, NY) 2010
Igor Stravinsky - *Les Noces* (with the Princeton Chamber Choir, Columbia Classical Performers, and the Queens College Percussion Ensemble)

Tibetan Singing Bowl Ensemble, Metropolitan Museum of Art (New York, NY)	2010
Raphael Mostel - <i>Music for the October Moon</i>	
David Schober Portrait Concert (Flushing, NY)	2009
David Schober - <i>Taepoong</i> for marimba	
Manhattan Percussion Project (New York, NY)	2009
David Lang - <i>Anvil Chorus</i> for percussion solo	
New York City Electroacoustic Music Festival (New York, NY)	2009
Courtney Brown - <i>losing love in magnetic time</i> for marimba and vibraphone (with Adam Forman, vibraphone)	

// AWARDS AND FELLOWSHIPS

Bang on a Can Summer Music Institute	2010
Performance Fellow (North Adams, MA)	
Balsam Award in Chamber Music , Queens College	2010
Discimus ut Serviamus Award , Queens College	2010
Allen Cohen Percussion Award , Queens College	2009
Phi Beta Kappa , University of California, Davis	2008
soundSCAPE Composer and Performance Exchange	2008
Performance Fellow (Pavia, Italy)	
International Marimba Festival	2007
Performance Fellow (Salzburg, Austria)	

// RECORDINGS

Tony de Vivo - Winds of Wood (Vientos de Madera)	2012
Vibraphonist	