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Michael Erin Scott-Nelson
405 Dumbarton Rd, Baltimore, MD 21212

Education		
	The University of Kansas	
2013	Doctor of Musical Arts in Composition	
	Peabody Institute of Johns Hopkins University	
2010	Master of Music in Computer Music	
	Kenyon College	
2006	Bachelor of Arts with High Honors in Music	

Academic Experience

Goucher College

2011 – Present — Academic Director of the MA and MFA in Digital Arts
- Curriculum Design / Development
- Department Governance
- Recruitment / Retention (Students and Faculty)
- Community Outreach
- Marketing Support
- Service
  - Graduate Studies Committee
  - Graduate Review Board

2010 – Present — Adjunct Lecturer *(for the following courses)*
- Introduction to Digital Media and Open Source
- Digital Media Programming
- Mathematics, Music, & Imagery
- Web Development
- Realtime, Interactive Signal Processing

The University of Kansas

2013 — Helianthus New Music Ensemble, Assistant Director

2010 – 2013 — Graduate Teaching Assistant

Teaching duties include preparing and delivering all lectures, assessment, the syllabus and all course materials, and administration for:
- Computers, Synthesizers, and Electronics
- Music Theory 1, 2, 3: Tonal Music Series
- Music Theory 4: Post-Tonal Analysis
- Graduate Theory Review
- Fundamentals of Music

Short series of lectures supporting a class on art installations, annual:
- Installation Art Acoustics Workshops

Peabody Institute of Johns Hopkins University

2008 – 2010 — Graduate Assistant (System Administrator)

2008 – 2010 — Graduate Teaching Assistant
- Studio Techniques
- Web Page Design

	The Kiski School
2006 – 2008	Music Director
	Symphonic / Jazz Band Director
	Men's Choir Director
	Arranger
	Accompanist
	Lesson Coordinator
	Event Coordinator
2006 – 2008	Teacher
	Composition and Theory
	General Music
	Piano
	Algebra II / Pre-Calculus
2006 – 2008	Miscellany
	Dorm-Parent
	Student Advisor
	Soccer Coach

Additional Relevant Experience

2013 – Present	**Digital Harbor Foundation**
	WebSlam Tech Coach Volunteer

The Evolution Contemporary Music Series

2013 – Present	A/V Specialist

Kreol

2009 – 2011	Software Designer for computer aided music instruction

Peabody Institute of Johns Hopkins University

2008 – 2010	Lead facilitator
	Peabody Laptop Orchestra and laptop based ensemble
2009 – 2010	.nfo Ensemble
	leader and electronics operator of an electroacoustic improvisatory ensemble focused on "extending" the ability of each instrument with performance data a la Burtner's meta-instruments. Necessarily included custom built hardware to involve a variety of sensors.

Dan Deacon

2009	Arranger and Engraver
	Hired to convert Dan Deacon's electropop music into notatation for his album *Bromst* for the purposes of live performance on tour. *Bromst* was notably performed with So Percussion, among others.

Kenyon College

2005 – 2006	invited guest lecturer on:
	Computer music workshops (Pd/GEM)
	Gamelan ensemble (continuous)
	Organ technique and construction
	Baroque symbolism in instrumental music
2005 – 2006	Substitute Organist at Church of the Holy Spirit

	2004 – 2006	Lead Recording Technician
		Supervisor for other Recording Technicians
		Record college performances / audio projects
		Troubleshoot hardware / software issues
	2003 – 2006	Computer Music Lab Supervisor
		Maintenance of computer software / equipment
		Troubleshoot technical issues
		Monitor laboratory usage / Manage lab access
	2002 – 2006	Arranger/Performer for student organized jazz ensemble
	2002 – 2006	Renaissance Ensemble Director
		Madrigals and Recorder Ensemble

Publications

<table>
<tr><td>Software</td><td>2012</td><td>SpectralComposer
Converts frequency spectrum into constituent voices; useful for resynthesizing natural sound with acoustic instruments or similar activities</td></tr>
<tr><td></td><td>2011</td><td>RatioTool
Teaches polyrhythms and demonstrates the overlap between polyrhythmic ratios and harmonic ratios</td></tr>
<tr><td></td><td>2011</td><td>RatioScales
Generates non-traditional scales based on pure intervals</td></tr>
<tr><td></td><td>2010</td><td>Charmonika
Transforms the computer keyboard into a virtual concertina, accordion, or bayan; useful for learning various free-reed fingerings</td></tr>
<tr><td></td><td>Continuous</td><td>Miscellany:
Original software freely available for performance or educational purposes developed for specific compositions (see composition list below)</td></tr>
<tr><td>Recordings</td><td>2012</td><td>The Well (Album) – Thaumat Publishing
available at music.michaelscottnelson.com</td></tr>
<tr><td></td><td>2011</td><td>Ruminations (Album) – Thaumat Publishing
available at music.michaelscottnelson.com</td></tr>
<tr><td>Accolades</td><td>2010</td><td>Otto Ortmann Prize in Composition
Peabody Conservatory</td></tr>
<tr><td></td><td>2010</td><td>"Cézanne Fast Forward" Multimedia Commission
performed at Baltimore Museum of Art</td></tr>
<tr><td></td><td>2009</td><td>Electroacoustic ensemble Development Grant
Peabody Conservatory</td></tr>
<tr><td></td><td>2006</td><td>High Honors in Music awarded for multimedia works
Kenyon College</td></tr>
</table>

Multi-Instrumentalist performing on:	accordion	bagpipe	baritone	bassoon
	chalumeau	clarinets	cornet	crumhorns
	dulcian	gamelan	keyboards	oboe
	recorders	saxophones	shawms	violin
	computer performance environments			

Professional Affiliations

ASCAP
Society for Electro-Acoustic Music in the United States
Society of Composers, Inc.
The College Music Society

Development Languages

	Fluent:	MaxMSP/Jitter	Pure Data/GEM		
	Proficient:	Processing / Arduino	SuperCollider	Csound	JavaScript
	Functional:	C++	ChucK		

Compositions   Current

Afterglow
  sonic installation to accompany James Turrell's "Gard Blue"
Heptascepter
  interactive electronic music for upcoming video-game

Scores available upon request

Meditations (ongoing series)
  ongoing series of structured improvisational platforms

2013

Revolutions of Earth and Moon
  Web Audio API experiment, 9'35
Earthrise/Moonrise
  Symphonic poem, ~23'
Meditation No.4: Reflections
  1-5 performers with live processing, 2' - 7'

2012

Biofeedback Loop
  voice improvisation with live processing, 7'27
Basalt
  clarinet improvisation with live processing, 5'48
Vlik
  clarinet improvisation with live processing, 10'36
Improvisation
  voice / violin improvisation with live processing, 11'52
Part Two
  accordion /clarinet improvisation with live electronics, 14'48

2011

Accordion Pulse
  accordion with live processing, 11'22
Wind Energy
  voice with live processing, 6'03
LaDah
  voice with live processing, 2'29
Tap Track
  percussion with live processing, 6'49

South Beach
    voice with live processing, 6'10
Intimate
    voice with live processing, 10'42
TapSender
    fixed media, 1'54
Remembering Keen
    fixed media, 5'10
Develops Too Slowly
    voice with live processing, 5'50
Meditation No.3: Atom
    violin with live processing, ~4'
Meditation No.2: Breath
    vibraphone and contrabass, ~7'30
Meditation No.1: Inner Labyrinth
    unspecified solo instrument with live processing, ~7'

2010   *Summoning*
    clarinet choir, ~4'42
Flight of the Astrolach
    violin, accordion, and contrabass, ~4'25
Impression
    piano, ~6'45
Elaine
    accordion, ~1'
Fire but not Arson
    flute, oboe, clarinet, bass clarinet, bassoon, piano,
    trombone, vibraphone, ~6'

2009   *Duet for an Aviator*
    voice, throttles, and live electronics, 4'04
t'echo Waltz
    voice, clarinet, guitar, keys, double bass,
    and live electronics, ~5'
Ye Olde Party
    electronic folk dance music, 1'50

2008   *America: The News is 2008?*
        I: January
        II: February
        III: March
        IV: April
        Radio broadcasts, electronics, and sampled audio, 33'42
CSound is People, Too
    Csound (a parody), 0'52
Randomness is Ambiance
    Pure Data patch, indefinite duration

	Shenandoah (and other folk tunes)
	Pure Data (and computer keyboard), 3'41
2007	*Come Rain or Come Shine, arrangement*
	big-band, ~3'
	Take the "A" Train, arrangement
	big-band, ~2'15
	One More Day
	men's choir, ~1'34
	Mercy, Mercy, Mercy, arrangement
	big-band, ~3'45
	Stella By Starlight, arrangement
	big-band, ~1'45
2006	*Kiski, arrangement*
	men's choir, ~2'10
	All the Things You Are, arrangement
	vocal ensemble and piano, ~2'45
	Amazing Grace, arrangement
	vocal ensemble, ~4'21
	Blastin' Blues
	big-band, ~3'20
	Let It Snow, arrangement
	big-band, ~4'
	Torque (composed jointly with Ben Taylor)
	electronics and dancers, 8'24
	Decay
	two clarinets, piano, violin, cello, and Pure Data, ~7'45
	Time Dots
	keyboard, mouse, joystick, and live graphics, ~4'50
	22
	flutes, drums, piano, and electronics, 5'46
	In the Sun with Laine
	piano and double bass, 3'11
2005	*Three Performers for Keyboard, Mouse, and Joystick*
	keyboard, mouse, joystick, and live graphics, ~3-6'
	Walk on an Autumn Evening
	clarinet, electronics, and live graphics, ~4'30
	Gamelan Distortion
	processed gamelan duet, 3'48
	Passacaglia
	organ, ~2'
	Variations on a Poem by Sarah Hale
	piano, ~2'
2004	*Phaso Nuevo*
	remix of Buena Vista Social Club's *Pueblo Nuevo*, 3'47

	On a G String
	piano and electronics, 1'59
2003	*On Green Dolphin Street, arrangement*
	trumpet, alto sax, trombone, guitar, keyboard,
	contrabass, and drums, ~5'
	Rebab pie
	rebab, sarons, gambang, peking, panerus, boning, ~5'45
	October
	baritone and piano, ~3'
	a setting of the poem 'Autumn' by Siegfied Sassoon
	Passing Away
	soprano, piano, and contrabass, ~2'30
	a setting of the poem of the same name
	by Christina Georgina Rossetti
	Piano Cake
	piano, ~1'30
	Before Leaving
	alto saxophone, keyboard, bass guitar, guitar,
	and drums, 5'43
2002	*Passacanonic*
	clarinet trio, ~1'45
2000	*Prayer No.1*
	voice and electronics, 0'49

Additional compositions, scores, recordings, computer programs, and more can be found at
michaelscottnelson.com
Albums are at
music.michaelscottnelson.com