

## DANIEL MCKEMIE

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### PROFESSIONAL SUMMARY

Composer, programmer, and performer utilizing the browser and web technology to realize a more accessible platform for multimedia art. With this comes new ways of interfacing software and hardware to allow for complex, interactive musical environments and new forms of collaboration to emerge.

### EDUCATION

**MA in Music Composition** **2011**

Mills College; Oakland, CA

Thesis: "Kickin' Out the Jams: Experimentation in the 21<sup>st</sup> Century"

**BA in Music Performance (Percussion)** **2009**

University of Nevada, Las Vegas

Thesis: "A Theoretical and Performative Analysis of Iannis Xenakis' *Rebonds B*"

### SKILLS

- Programming: JavaScript, Max/MSP, C/C++, Python
- Hardware: Circuitry, Arduino, Raspberry Pi, Daisy Seed
- Instrumental Composition and Arranging
- Percussion Performance: New Music, Drum Set, Mallets, Orchestral, and Ragtime
- French: Intermediate reading/writing and Basic speaking

### NOTABLE PERFORMANCES/ENGAGEMENTS

- New York City Electroacoustic Music Festival, New York, NY **2022**
- Gaudeamus Muziekweek: Contributor for the Screen Dive Exhibit of Interactive Online Works **2021**
- Artist Faculty at Fresh Inc. Festival w/Fifth House Ensemble, Chicago, IL **2021**
- *El Movimiento* at Premier Festival de Música Electroacústica en Núcleo Espacio, Reynosa, Mexico **2021**
- SEAMUS Conference: Online installation exhibit of *El movimiento in la quietud* **2021**
- SEAMUS Conference: Twelve Series online performance **2021**
- Gaudeamus Muziekweek: Contributor for the Screen Dive Exhibit of Interactive Online Works **2020**
- Programming staff for *Flame Keepers* online installation/concert space w/Metropolis Ensemble, NYC **2020**
- Artist Faculty at Fresh Inc. Festival w/Fifth House Ensemble, Chicago, IL **2020**
- Performance: MoxSonic New Music Festival; Warrensburg, MO **2020**
- *Seaswell* included in the Animated Notation Exhibit, TENOR Conference, Melbourne, Australia **2019**
- Presentation of Lou Harrison's *Recording Piece* w/Talujon; PAS Conference, Indianapolis, IN **2018**
- Performer: Pauline Oliveros Memorial Concert at Park Avenue Armory **2017**
- Premiere of Lou Harrison's *Recording Piece* w/Talujon Percussion Group, Jazz Gallery, NYC **2017**
- Arranger for Roscoe Mitchell's *Conversations...* performances at L'off Jazz Festival Montreal, Canada **2016**
- Arranger for Roscoe Mitchell's *Conversations...* Tectonics Festival with Iceland Symphony **2016**
- Performer: Lightbulb Ensemble at the Smithsonian with JACK Quartet; Washington, DC **2015**
- Performer: Lightbulb Ensemble at Queens College and Pioneer Works; New York, w/JACK Quartet **2015**
- Performer: Festival celebration of the music of Pauline Oliveros; Santa Clara University, CA **2014**
- Performer: *John Cage MusiCircus* at Yerba Buena Center for the Arts, SF, curated by Steven Schick **2012**
- *John Cage Retrospective* at SFMOMA, performed *Fontana Mix* for SF Electronic Music Festival **2012**
- *Lou Harrison's 85<sup>th</sup> Birthday Celebration*, performed *La Koro Sutro* at Berkeley Art Museum **2012**
- Performer: World Premiere of Roscoe Mitchell's *CARDS: In the Faces of Roses* at Yoshi's, Oakland **2012**
- Performer: World Premiere of Roscoe Mitchell's *Would you Wear My Eyes* at Mills College **2012**
- Performer: US Premiere; Christian Wolff's *Metals and Breath* at Mills College **2011**
- Performer: *San Francisco Contemporary Music Players 40<sup>th</sup> Anniversary Concert*, SF, CA **2011**

- Performer: US Premiere; Peter Garland's *Smokey the Bear Sutra* at Herbst Theatre, SF **2011**

#### NOTABLE ALBUM RELEASES/CREDITS

- Maximalism Series on Voltage Control Records (VCR-1007) **2021**  
- Control Surfaces on Voltage Control Records (VCR-1005) **2020**  
- D/A /// A/D on Voltage Control Records (VCR-1001) **2020**  
- Roscoe Mitchell's *Ride the Wind* on Nessa Records [as transcriber/orchestrator] (NCD-40) **2018**  
- Give My Regards to 14<sup>th</sup> St./Slaydie's Knees on Cutty Strange Records (CSR-006) **2017**  
- Roscoe Mitchell's *Discussions* on Wide Hive Records [as transcriber/orchestrator] (WH-0339) **2017**  
- The Heroic Quartet, split with Pink Gaze on Self-Help Tapes (HLP13) **2016**  
- *3 Pieces* on Self-Help Tapes (HLP09) **2015**  
- *Dischords/Dysrhythmia* on Turmeric Magnitudes (TM17) **2013**  
- The Heroic Quartet on Turmeric Magnitudes (TM22) **2013**  
- *Chloros* on Edgetone Records (EDT4107) **2011**

#### PUBLICATIONS

- Journal *Emille* (2021); Korea Electro-acoustic Music Society; Seoul, Korea: **2021**  
- *Dynamic Stochastic Control Voltage Generation*  
- Proceedings of the 14<sup>th</sup> International Symposium on Computer Music Interdisciplinary Research: **2019**  
- *COMPOSITES 1: Real-Time Animated Notation in the Web Browser*  
- Toplap.org: Article: *Live Coding Control of a Modular Synthesizer with Chuck* **2019**  
- Article: *Live Coding Control of a Modular Synthesizer with Chuck*

#### PEER REVIEWED PAPERS/PRESENTATIONS

- NYC Electroacoustic Music Festival; New York, NY: **2022**  
- Zero to 16383 Through the Wire: Transmitting High-Res MIDI w/WebSockets and Browser  
- Museum of Portable Sound Conference; London, UK: **2021**  
- Audio Paper: Web Audio and the Democratization of Audio Production  
- Korea Electro-acoustic Music Society Annual Conference; Seoul, Korea: **2021**  
- *Dynamic Stochastic Control Voltage Generation*  
- Society for Electro-Acoustic Music in the United States Conference; Charlottesville, VA: **2021**  
- *Control Surfaces: Using the Commodore 64 to Expand Musical Boundaries*  
- MoxSonic New Music Festival; Warrensburg, MO: **2020**  
- Tape Delay Techniques in the Web Browser  
- Proceedings of the 14<sup>th</sup> International Symposium on Computer Music Interdisciplinary Research: **2019**  
- *COMPOSITES 1: Real-Time Animated Notation in the Web Browse*

#### CREATIVE SOFTWARE DEVELOPMENT

- Tape Delay Feedback System VST Plugin; C++/JUICE **2021**  
- CV Broadcaster; browser-based CV Generator and Transmitter; JS/Node/WebSockets/Max **2021**  
- MIDI Broadcaster; 14-bit MIDI CC transmission via the web; JS/Node/WebSockets **2020**  
- Browser based Tape Delay Feedback System (after Pauline Oliveros' design); JS **2018**  
- Tuneable Keyboard Tool; Browser tool for MIDI triggering of custom frequencies; JS **2018**

#### AWARDS

- Goethe Institut Virtual Partner Residency Grant for online installation *El movimiento en la quietud* **2020**  
- NY Innovative Theater Nomination for Outstanding Sound Design; NY Deaf Theater's TITUS **2017**  
- NY Innovative Theater Nomination for Outstanding Music; NY Deaf Theater's TITUS **2017**  
- Artist-in-Residence at WGXC Wave Farm; Acra, NY **2014**  
- Film Score for *Reflections* wins "Best Arthouse Short" at the Pollygrind Film Festival **2013**  
- Top 10 local art exhibit of 2011 as named by Las Vegas Weekly for *Sonic Trichromacy* installation **2011**

## GUEST LECTURES

- SUNY Broome, Beat Production: Sound Characteristics of Layered Drum Samples 2021
- SUNY Broome, Recording and Production I: Artist Talk 2021
- Hackerspace, London, UK: Max/MSP as a Middleware 2021
- SUNY Oneonta, Audio Arts II: Presentation of my Electronic Music and Techniques 2018
- SUNY Oneonta, Audio Arts I: A Brief Overview of British IDM of the 1990s 2017
- RPI, Pauline Oliveros' DL Course: Composing for Strings and Deep Listening 2013

## NOTABLE COMMISSIONS

- New York Deaf Theater's production of TITUS, original music and sound design 2016
- Funsch Dance Experience; *Le grand spectacle de l'effort et de l'artifice* for piano and live electronics 2016
- Anna Wray; *Pneuma I & II* for vibraphone, bassoon, and electronics 2014
- The Luna Ensemble; *Journey [Back] to the East Bay* for eight players 2014
- Montana State University, Billings; *New Piece* for solo marimba and percussion trio 2013
- Art Saxophone Association, Italy; *Dispersion for Sub-Saxophone Quartet* 2012
- Fifth Wall Gallery, Las Vegas, NV; sound/sculpture work, *Sonic Trichromacy* 2011
- Montana State University, Billings; *Two Movements for Percussion Trio* 2010
- Helen Pau's *The Stone Wife*; theater production, original music and sound design 2010
- Montana State University, Billings; arrangement of Sigur Ros' *Untitled #1* 2009

## TEACHING EXPERIENCE

- Revolent Group;** New York, NY, Technical Developer Trainer 02/2020 – 09/2020
- Taught professional cohorts of software developers on major topics of Salesforce Engineering
  - Instructed on select topics of object-oriented programming, best practices of application design, data migration, and software integration techniques
- Alameda Music Project;** Alameda, CA, Lead Teaching Artist – Percussion 09/2015 – 09/2016
- Developed curriculum for El Sistema based music course grades 2-5
  - Course focuses included instrument building, new music notation, improvisation, and group collaboration
- Royal Guard of Oman;** Al-Seeb, Muscat, Oman; Acting Director of RGO Drum Corps 01/2015 – 06/2015
- Directed a 62-piece drumline and front ensemble for performances and events around the city
  - Composed original cadences and drill and arranged pop hits
- Music Land School of Music;** Fremont, CA, Drum and Piano Instructor 12/2011 – 12/2012
- Taught instrumental lessons and music theory to ages 5 to adult
  - Co-wrote "Young Pianist" curriculum for introductory piano to ages 2-5
- Conservatory of Vocal and Instrumental Arts;** Oakland, CA, Percussion Instructor 09/2011 – 06/2012
- Developed and taught curriculum for two levels of percussion fundamentals grades 3-8
  - Co-directed the COVA Drumline; featured in many local competitions and parades
  - Wind band and orchestra percussion section coaching during rehearsals
- Napa School of Music;** Napa, CA, Drum, Piano, and Rock Band Instructor 08/2011 – 05/2012
- Taught private lessons in drum set and piano ages 5 to adult
  - Coached rock band ensemble ages 14-17, on music, set list curation, and stage presence
- Robison Middle School;** Las Vegas, NV, Percussion Instructor 08/2008 – 06/2009
- Percussion instructor for symphonic, jazz, concert, and beginning bands
  - Composed and arranged music for, and directed the Robison Middle School Percussion Ensemble
- Lindamood-Bell Learning Processes;** Las Vegas/Berkeley/New York, Clinician 2007 – 2016 (Seasonal)

- Taught ages 5 to adult skills in developing phonemic awareness, word attack, symbol imagery, and reading comprehension to those with dyslexia, autism, and other reading disorders
- Taught core mathematics to select students from arithmetic to pre-calculus

**Clark County School District;** Las Vegas, NV, Substitute Teacher

**2006 – 2008**

- Taught music, English, and math to students grades K-12