

## Jeremy Stewart

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Troy, NY

## Education

Rensselaer Polytechnic Institute, Troy, NY – PhD: Electronic Arts, Fall 2016-Present

Rensselaer Polytechnic Institute, Troy, NY – MFA: Electronic Arts, 2016

Berklee College of Music, Boston, MA – B. Mus: Jazz Composition, *Cum Laude*, 2010

## Selected Performances

International Conference on Live Coding, Morelia, Mexico, *pl:2b*, 2017

International Conference on Live Coding, Morelia, Mexico, *be\_01*, 2017

New York City Electroacoustic Music Festival, Abrons Art Center, New York, NY, *cx16:01*, 2017

Source Festival, New York University Media and Games Network, New York, NY, *cx\_16*, 2017

Experimental Media and Performing Arts Center (EMPAC), Troy, NY, *pl:2*, 2017

We Are Five, 24-Hour Algorave Live-Streaming Event, 2017

Collar Works Gallery, Troy, NY, *ips:1*, 2017

Bennington College, Bennington, VT, *cx\_16*, 2017

Bard College, Annandale-On-Hudson, NY, *cx\_16*, 2017

Rensselaer Polytechnic Institute, Troy, NY, *pl:1*, 2016

Algorave 0x0F, Tech Valley Center of Gravity, Troy, NY, *cx\_16*, 2016

Experimental Media and Performing Arts Center (EMPAC), Troy, NY, *Field Cuts: Encounter 6*, 2016

Rensselaer Polytechnic Institute, Troy, NY, *Field Cuts: Encounter 5*, 2015

One Minute Solos, Mobius, Cambridge, MA, *Field Cuts: Encounter 3*, 2015

Algorave 0x00, Tech Valley Center of Gravity, Troy, NY, 2015

Bennington College, Bennington, VT, *They Fell*, with Urbanity Dance, 2015

Bend, Institute of Contemporary Art, Boston, MA, *They Fell*, with Urbanity Dance, 2015

## Publications

Fox, K., Stewart, J., Hamilton, R., "madBPM: A Modular Multimodal Environment for Data-Driven Composition and Sonification", In *Proceedings of the International Computer Music Association Conference*, Shanghai, China, 2017.

Fox, K., Stewart, J., Hamilton, R., "madBPM: Musical and Auditory Display for Biological Predictive Modeling", In *Proceedings of the International Conference of Auditory Display (ICAD)*, State College, PA, USA, 2017.

Stewart, J., *Field Cuts: Encounter 6*, MFA Thesis, Rensselaer Polytechnic Institute, 2016.

## Selected Talks

"Mediation between Musicians and Code with Neural Networks", ImproTech Paris-Philly, University of Pennsylvania, Philadelphia, 2017.

"Field Cuts", Bard College, Annandale-On-Hudson, NY, 2017.

"Electrical Stimulation in Movement Performance - notes on Field Cuts project", Bennington College, Bennington, VT, 2015.

## Experience

### **Research Assistant, Rensselaer Polytechnic Institute, Troy, NY, May 2016-Present**

Programming an educational game using Unity on a National Institute of Health funded grant in collaboration with Mt. Sinai Medical Center, New York City, NY. Game for iOS and Android devices will lead the player through the Translational Therapeutics pipeline towards the creation of new treatment from the discovery of an unmet need to clinical trials to final FDA approval and delivery.

### **Creative / Production Contractor, September 2010-Present**

Employed by independent artists and commercial companies. Completed projects that were seen and exhibited at museums, festivals and other events domestically and internationally.

### **Research Assistant, Rensselaer Polytechnic Institute, Troy, NY, May 2016-August 2016**

Developed application for visualization and signification of data sets derived during the biosynthesis of high value chemicals.

### **Instructor, Digital Media Academy, Cambridge, MA, July 2016-August 2016**

Taught Arduino- and hardware-related courses to students between the ages of eight and eighteen. Courses taught: *Adventures in Engineering & Electronics with Arduino* and *Robotics & Electrical Engineering with Arduino*.

### **Composer Intern, Bennington College, Bennington, VT, September 2011-May 2014**

Taught undergraduate-level courses including Intermediate/Advanced Aural Skills, Jazz Ensemble, Introduction to Musical Applications, Interactive Design with Max/MSP. Co-taught and assisted in courses covering music theory, composition, improvisation, and performance. Tutored students privately on a range of subjects related to music theory, performance, and software programming for music/sound.

## Master Classes / Workshops

Geert Lovink, Founding Director of the Institute of Network Cultures, 2015

Choreographic Coding Lab 4, New York University Media and Games Network, 2015

## Skills and Qualifications

Software: C++11, openFrameworks, Processing, openCV, Unity, C#, JavaScript, Three.js, Node.js, Open Sound Control, Java, HTML5, Python, iOS, Android, Adobe Suite, Final Cut, Max/MSP/Jitter, Ableton Live, Audacity, Digital Performer, Logic Pro, Sibelius, Finale

Hardware: Arduino, Raspberry Pi, camera systems for openCV applications, projector installations, wifi/networking for performance/installations