

Joseph Mariglio

Artist, Researcher, Educator

November, 2012

Education:

PhD in Computer Music, 2015 (candidacy: 2013). University of California, San Diego.

MA in Interactive Telecommunications, 2009. New York University.

Thesis: "Notation / Realization / Experience" (PDF)

http://www.joemariglio.com/spring09/thesis/JoeMariglioThesis_5_5_09.pdf

BA in Music Composition, 2007. Wesleyan University.

Skills:

Software: c / c++, Java, Python, Matlab / Octave, Bash, SuperCollider, PD, Processing, Arduino

Electrical: Audio, Mixed Signal, Microcontroller (ARM), Telecommunications

Design: EagleCAD, Solidworks, Blender, Adobe CS, GIMP

Audio: Protocols, Logic, Digital Performer, Cubase, Ardour

Research Interests:

Time – Frequency Decompositions, Embedded Computing, Amplification / Transduction, Emergent Behavior, Digital and Analog Filter Design, Community – Based Art, Constructionist Education, Human Computer Interaction, Sound Sculpture, Artificial Intelligence, Musical Cognition, Semiotics,

Teaching Experience:

Apprentice Teaching, UCSD. 2010 – Present.

MUS170 "Musical Acoustics", MUS171 "Computer Music I", MUS172 "Computer Music II", MUS174A, MUS174B, MUS174C "Audio and MIDI Studio Techniques I-III", CAT124 "Practicum: Universal Language Orchestra"

Creative Electronics Workshop, Newcastle, NSW, Australia. Fall, 2011.

Designed and fabricated electronics kits for creating algorithmic music. Led a hands-on workshop introducing electronics theory and practice to University students in the context of sound sculpture, over the course of two workshops, four hours each.

Universal Language Orchestra, Spring Valley, California. 2010 – Present.

Co-founded and runs a children's experimental music ensemble comprised of 25-30 young people ages 8-12 years old, with varying degrees of prior musical experience. Developed and implemented curricula introducing many topics related to instrument building, acoustics, improvisation, composition, electronics and graphic notation. Invented and built novel electroacoustic instruments to teach these fundamentals to children. Assisted children in inventing and building instruments of their own.

Inter-Generational Jazz Camp, Spring Valley, California. Summer, 2012.

Taught master class on improvisation with homemade electroacoustic instruments to children 10-14 years old.

CMOS Music Workshop, University of New South Wales, Australia. Spring, 2011.

Taught an introductory electronic music workshop for college students, building musical circuits using CMOS logic gate chips.

Kids and Contact Mics Workshops, International Computer Music Conference. May 2010.

Taught 6-12 year olds about basic physics, amplification, instrument design, composition and improvisation. Performed with the students at the Tank performance space, NYC.

Kids' Electronic Music Workshops, Unsound, NYC. 2010.

Taught 6-12 year olds about basic physics, amplification, instrument design, composition and improvisation. Performed with the students at Le Poisson Rouge, NYC.

Teacher / Engineer, Harvestworks. NYC. 2009 - 2010.

Worked with artists to realize projects in Arduino, Processing, and Supercollider.

Grants & Awards:

University of California Institute for Research in the Arts Implementation Grant, 2012.

UCSD Music Department TA of the Year Award, 2011.

Electrofringe International Artist Grant, 2011.