

# James P. Keary

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## EDUCATION

**New York University, Steinhardt School of Culture, Education, and Human Development, *Masters of Music in Music Technology***, Dec 2013, GPA 3.43

*Coursework:* Digital Signal Theory, C Programming for Music Technology, Audio Codec Design, 3D Audio, Electronics by Computer Simulation, Advanced Audio Production, Java Music Systems, Audio for Video, Game Audio, Advanced Orchestration, Computer Music Composition, Theory and Aural Skills

*Thesis: A New Technique for Capturing True Coincidence in Ambisonic Microphone Arrays*

**Oberlin College**, Oberlin, OH, *Bachelor of Arts*, 2006

## SKILLS

- **Programming Languages:** MATLAB, C, Java, HTML, CSS, JavaScript, Csound, SuperCollider, Pure Data, MIDI, OSC, Unreal Script, Wire, JSyn API, JMSL API, Web Audio API
- **Software:** Logic Pro, Ableton Live, Pro Tools, Audacity, Reaper, FMod, Finale, Sibelius, Unreal Development Kit, Final Cut Studio
- **Live Sound, Post Production and Audio Engineering:** Yamaha, SSL, API consoles, outboard gear, sound reinforcement acoustics, stereo and surround mixing hardware and software, modular synthesis
- **Performer, musician, guitarist, multi-instrumentalist**
- **Songwriter, composer, arranger and orchestrator for TV/video**, see portfolio

## EMPLOYMENT

**Graduate Research Assistant, Sound Designer, *Medical Imaging Sonification Project*, NYU Steinhardt**, Feb 2013 - Current

- Sponsored by the NYU-Health and Hospitals Corporation (HHC) Clinical and Translational Science Institute (CTSI), the goal of this research project is to explore sonically the vast data sets yielded from medical imaging technologies such as PET scans to aid in diagnosing diseases such as Alzheimer's. My chief task involved designing the audio from these complex data sets using algorithmic composition, computer programming, digital signal processing, psychoacoustics, and 3D audio principles.
- The research undertaken for this project recently resulted in a best paper award from the International Community for Auditory Displays (ICAD) at their July 2013 conference for *Exploring Sonification for Augmenting Brain Scan Data*.

**Live Sound Engineer, Complete Music Studios, Brooklyn, NY**, 2010 – 2011

- Soundboard engineer running live sound for Top 40 & critically acclaimed artist's rehearsals.

**Guitar Instructor, New York, NY**, 2010 – 2011

- Private instruction in music theory and instrument technique in rock and jazz beginners to intermediate.

**The New-York Historical Society, Museum Education Department**, 2006 – 2010

**School Programs Associate**, 2007 - 2010

- My primary duty was that of database administration: managing the online database, calendar and booking system for all school tours, teacher workshops, and education events. While there, I assisted in a complete overhaul and reorganization of this multifaceted computer system.
- Provided training and technical support to all system users: teachers, educators, and staff members.
- Managed department's high school and college interns.

**Floor Manager and School Group Educator**, 2006 – 2007

- Supervised the scheduling and training of educators. Acted as department liaison to public groups.
- Developed and led student tours and programs for critically acclaimed exhibitions; *New York Divided* (2006-07), *Grant and Lee in War and Peace* (2008-09), and *Lincoln in New York* (2009-10).

## **Addendum**

### **Hobbies and Interests**

- Sept 2009 – January 2013, full time member of the New York indie-rock group MiniBoone; singer, songwriter, arranger, lead guitar, and occasional keyboardist.
- Commissioned songwriter, composer and producer for musical acts and commercial jingles
- Academic background and course work in music theory, music history and digital video editing
- Studied rock and jazz guitar for the past 15 years, piano on and off for 15 years as well

### **Achievements**

- List of recorded and released music with MiniBoone through an independent label include;
  - *MiniBoone* – 12 song eponymous debut Long-Playing Full-Length album, release September 2013
  - *On MiniBoone Mountain* – 4 song Extended-Play Album, release date November 2011
  - *The Other Summer* - 2 song 7 inch Picture Disc Vinyl Record, release date March 2011
  - *Big Changes* - 6 song debut Extended-Play Album, release date February 2010
- More than 200 performances since the band's founding in late 2009, including the Bonnaroo Music Festival 2011, SXSW 2011, and CMJ 2009 through 2012. Opened for bands such as the B 52s and Art Brut. Also, performed at prominent NYC venues; Mercury Lounge, Music Hall of Williamsburg, and Brooklyn Bowl.
- Critical acclaim for past recordings includes *Relix* Magazine article November 2011 issue, *NPR*'s "All Songs Considered", Christopher Weingarten of *the Village Voice*, and in *L Magazine*'s "8 NYC Bands You Need to Hear for 2010" issue

*References available upon request*