

James P. Keary

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Portfolio at www.jameskeary.com

EDUCATION

New York University, Steinhardt, *Masters of Music in Music Technology*, Dec 2013, GPA 3.43

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

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

SKILLS

- **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, songwriter, composer, and orchestrator for video/game**, see portfolio
- **Programming Languages:** MATLAB, C, Java, HTML, CSS, JavaScript, Csound, SuperCollider, Pure Data, MIDI, OSC, Unreal Script, Wire, JSyn API, JMSL API, Web Audio API

EMPLOYMENT

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.

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

- Soundboard engineer running live sound and sound reinforcement for Top 40 performing artists' 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

- Managed online calendar and booking database for all tours, workshops, and education events.
- 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 history exhibits; *New York Divided* (2006-07), *Grant and Lee in War and Peace* (2008-09), and *Lincoln in New York* (2009-10).

PUBLICATIONS AND CONFERENCE PRESENTATIONS

- *Sonification Method To Enhance the Diagnosis of Dementia*, A. Roginska, H. Mohanraj, J. Keary, and K. Friedman, International Conference on Auditory Display (ICAD) 2014 New York University Steinhardt, NY, NY, June 2014. Publication and Conference Presentation.
- *A New Technique for Capturing True Coincidence in Ambisonic Microphone Arrays*, Masters Thesis, New York University Steinhardt, NY, NY, January 2014.

See CV for complete listing of music, multi-media productions and select performances

References available upon request