

James Keary

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EMPLOYMENT

Crowdskout, Washington DC, August 2014 - June 2019

Feature Team Engineer, January 2019 - June 2019

- Updated platform features from legacy code to use Typescript language and ES6 principles.

Integrations Team Engineer, October 2016 - January 2019

- Built and managed our integrations team: instructed 3 engineers on how to build integrations, set up dev environments, introduced them to the codebase, scoped out their projects, ticketed and assigned work loads, examined PRs and lead code reviews, and acted as a general team resource.
- Built and maintained our integrations codebase that connected Crowdskout's API to a growing suite of 25 or so 3rd party softwares including MailChimp, CallFire and Salesforce. Developed with scalability and speed in mind; uni and bidirectional syncing of client datasets ranging from a few thousand up to 300 million data points via 3rd party APIs and SFTP servers with flat file ingestion.

Full Stack Engineer, August 2014 - October 2016

- Developed Crowdskout platform features; including the Form Creation tool, CSV Export tool, platform Activity Tracking, and various other solo and team efforts.
- Sole engineer of www.modernnotion.com, a pop science and history articles website. Backend PHP Wordpress, Front end ReactJS. Built with responsive and mobile-first design strategies.
- Built Crowdskout's Wordpress Plugin, a page view and click tracker; PHP Wordpress, SVN code management.

Broadcast Engineering Technician, 2014 - 2017

One of the more random duties that I had while working for Crowdskout was that of an on again off again Sound Engineer for a small radio studio within the Crowdskout offices. Crowdskout's CEO was formerly a Broadcast Producer, so shows would come in once a week to record.

- Set up, operated and monitored the audio recording studio, software and hardware.
- Set up recording sessions for multi channel talk radio, including VOIP call-in interview segments.

Research Assistant and Sound Designer, NYU Steinhardt, New York City, NY, 2013 - 2014

As a Masters student, I worked as a part time research assistant on the school's Medical Imaging Sonification Project where I programmed interactive audio software, developed audio processing algorithms and designed sound to sonify 3D datasets of Positron Emission Tomography (PET) brain scan data from the NYU Langone Medical Center.

- Developed and prepared different sonification methods, testing them on audio experts and doctors to understand if our methodologies aided doctors in the diagnosis of Alzheimer's dementia.
- Co-authored publications; *Sonification Method To Enhance the Diagnosis of Dementia (2014)* and *The Triple Tone Sonification Method to Enhance the Diagnosis of Alzheimer's Dementia (2016)*. Gave a talk at the International Conference on Auditory Displays (ICAD) 2014 about our research.
- Worked in Matlab, Csound and SuperCollider programming languages and Logic Pro DAW.

Sound Engineer/Studio Assistant, Complete Music Studios, Brooklyn, NY, 2010 – 2011

- Live sound engineer for professional full service production and rehearsal studio. Setting up sessions and running the sound board, sometimes for critically acclaimed performing artist.
- Maintained studio's weekly schedule, maintained gear, dealt with customers, cleaned studios.

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

- Instructed beginner to intermediate players on music theory and instrument technique in rock and jazz guitar.

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

School Programs Associate, 2007 - 2010

- Maintained online database, calendar and booking system for all school tours, teacher workshops, and education events. Designed updates and expanded this multifaceted computer system. Provided training and technical support to all system users: teachers, educators, and staff members.
- Managed department's College and High School 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).

MUSIC

- **Frend**, Washington DC/Philadelphia PA, 2017 - Present, 3 Piece Rock Band; Band Leader, Guitar, Vocals, Songwriter.
- **Miniboone**, New York City, NY, 2008 - 2014, 5 Piece Indie Rock Band; Lead Guitar, Rhythm Guitar, Keyboards, Vocals, Songwriter.

Equipment: G&L SC-2, Gibson SG, Eastwood Airline MAP Deluxe, Fender Mexican Telecaster, 1970s Vintage Traynor YSR-1 Custom Reverb Amplifier, Peavey Cabinet, 1980 Fender Rhodes.

EDUCATION

New York University, Steinhardt, Masters of Music, Music Technology, 2011 - 2013, GPA 3.43

- **Thesis:** *A New Technique for Capturing True Coincidence in Ambisonic Microphone Arrays*
- **Coursework:** Digital Signal Theory, Digital Audio Processing, C Programming for Music Technology, Audio Codec Design, 3D Audio, Electronics by Computer Simulation, Advanced Audio Production, Advanced Musical Acoustics, Java Music Systems, Audio for Video, Game Audio, Advanced Orchestration, Computer Music Composition, Music Theory and Aural Skills

Oberlin College, Oberlin, OH, Bachelor of Arts, 2002 - 2006, GPA 3.14

- **Major:** Art History, **Minor:** Theater
- **Coursework:** Music Theory, Jazz Theory, Aural Skills, Private Jazz Guitar Study, Private Jazz Piano Study Digital Video I and II, Acting I, II, and III, Postmodernism & Visual Culture, Art Since 1960, Architecture and the Arts, The History of Art History, Approaches to Japanese Art, Spanish Painting Golden Age 1500 - 1700, the Invention of France

SKILLS

- **Programming Languages and Frameworks:** PHP, Laravel, Javascript, AngularJS, Typescript, ES6, ReactJS, Wordpress PHP, jQuery, Mysql, MongoDB, Redis, Python, HTML, CSS/SCSS/SASS, Ansible, Java, C, MATLAB, Csound, SuperCollider, Pure Data, UnrealScript, Linux/Unix OS, OSC and Internet Protocols.
- **Programming Principles:** ETL, Unit Testing, Functional Testing, End to End Testing, Mobile First Development, Responsive Design, API Development Fault Tolerant Systems.
- **Programing Tools and Software:** Vagrant, AWS, Git, SVN, Vim, Postman, OAuth, Jenkins, Xcode, Shell, PHPStorm, Eclipse, MIDI
- **Audio and Music Software:** Adobe Audition, Logic Pro, Ableton Live, Pro Tools, Audacity, Reaper, FMOD Studio, Finale, Sibelius, Unreal Development Kit, Final Cut Studio

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- **Audio Engineer Hardware:** Yamaha, SSL, API mixing consoles, outboard gear, patch bays, sound reinforcement systems, modular synthesizers

PUBLICATIONS AND CONFERENCE PRESENTATIONS

- *The Triple Tone Sonification Method to Enhance the Diagnosis of Alzheimer's Dementia*, A. Rogniska, H. Mohanraj, J. Keary, L. Gionfrida, and K. Friedman. International Conference on Auditory Display (ICAD). New York, NY, June 2016.
- *Sonification Method To Enhance the Diagnosis of Dementia*, A. Rogniska, H. Mohanraj, J. Keary, and K. Friedman. International Conference on Auditory Display (ICAD). New York, NY, June 2014.
- *Sonification Method To Enhance the Diagnosis of Dementia*, Conference Presentation at the International Conference on Auditory Display (ICAD), New York, NY, June 2014.
- *A New Technique for Capturing True Coincidence in Ambisonic Microphone Arrays*, Masters Thesis, New York University Steinhardt, New York, NY, January 2014.

SELECT RELEASES, MULTI-MEDIA PRODUCTIONS, CREDITS & PERFORMANCES

- [*Exercise Your Demons, Part 2*](#) [Record]. FrenD. Extended Play recording recorded and produced by Ben Green, [Ivakota Studios](#), Washington, DC. Independently released [Digital]. Feb 2019.
- [*Exercise Your Demons, Part 1*](#) [Record]. FrenD. Extended Play recording recorded and produced by Ben Green, [Ivakota Studios](#), Washington, DC. Independently released [Digital]. August 2018.
- *Magic Eye* [Song]. Miniboone. Used in Season 7 Episode 1 of TV show [Nurse Jackie](#), on Showtime. Original Air Date April 12, 2015.
- *While U W8* [Song]. Miniboone. Used in the soundtrack of the feature film [Dumb and Dumber To](#). Universal Pictures. November 14, 2014.
- *While U W8* [Song]. Miniboone. Used in Season 2 Episode 4 of TV show [Cedar Cove](#), on Hallmark Channel. Crown Media. Original Air Date August 9, 2014.
- [*The Four Stages*](#). Sonifications of PET Scan brain radiation depicting the 4 stages of Alzheimer's Dementia, Medical Imaging Sonification Project, New York University Steinhardt, Music Technology Department. [Digital]. 2014.
- [*I Could, I Could*](#) [Song]. Miniboone. Music Video directed and produced by Pat Breen, Garbage-Town Productions, Brooklyn, NY: Released by Miniboone LLC [Digital]. 2014.
- Miniboone. Record Release Performance at the [Mercury Lounge](#), New York, NY. September 6th, 2013.
- Miniboone. Performance at Serious Business on [Break Thru Radio](#), Episodes [106.5](#) and [107](#), New York, NY, Feb 25 2013.

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- [*Miniboone*](#) [Record]. Miniboone. Long Play recording recorded and produced by Travis Harrison, [Serious Business Records](#), New York, NY: Release by [Ernest Jennings Record Label](#) [Digital, CD, Vinyl]. 2013.
- Miniboone. Performances at the [CMJ Music Marathon Festival](#), New York, NY. 2010 - 2013.
- *Man/Woman* [Song]. Miniboone. Used in the soundtrack of the feature film [Locked in a Garage Band](#). Elgin Road Productions. September 2012.
- [*Brand New Thing*](#) [Song]. Miniboone. Music Video directed and produced by Pat Breen, Garbage-Town Productions, Boston, MA: Released by Miniboone LLC [Digital]. 2012.
- Miniboone. Multiple Performances at the [Bonnaroo](#) Music Festival, Manchester, TN. Performance dates: June 10th and 11th, 2011.
- [*On MiniBoone Mountain*](#). Miniboone. Extended Play recording recorded and produced at [Cannon Found Soundation](#), Union City, NJ: Released by [Drug Front Records](#) [Digital, CD]. 2011.
- Miniboone. Performance at Serious Business on [Break Thru Radio](#), [Episode 8](#), New York, NY, Jan 7, 2011.
- Miniboone. Multiple Performances at the [South by Southwest](#) Music Festival, Austin, TX. March, 2011.
- [*The Other Summer*](#) [Record]. Miniboone. Single recorded and produced at [Cannon Found Soundation](#), Union City, NJ: Released by [Drug Front Records](#) [Digital, Vinyl]. 2011.
- [*Cool Kids Cut Out of the Heart Itself*](#) [Song]. Miniboone. Music Video directed by Jesse Garrison, edited by myself, produced by Miniboone and [Drug Front Records](#), Brooklyn, NY: Released by Miniboone LLC [Digital]. 2010.
- [*Big Changes*](#) [Record]. Miniboone. Extended Play recording recorded and produced at [Cannon Found Soundation](#), Union City, NJ: Released by [Drug Front Records](#) [Digital, CD]. 2010.

SELECT CRITICAL ACCLAIM AND AWARDS

- *On the Verge: Miniboone* [Magazine Article]. Relix Magazine. June 2011 issue.
- [*Second Stage: Miniboone*](#) [Radio Piece]. NPR's All Songs Considered. July 7th, 2010.
- [*Yes In My Backyard: MiniBoone*](#) [Blog Column]. Christopher Weingarten, The Village Voice. February 2010 issue.
- *8 NYC Bands You Need to Hear* [Magazine Article]. The L Magazine. March 2010 issue.

PROFESSIONAL ASSOCIATIONS AND ORGANIZATIONS

- SESAC Performance Rights Organization, Songwriter and Music Publisher, Affiliate. February 2010 - Present.
- Miniboone LLC, Founding Member. January 2009 - January 2014.