

HENDRIK DAVID GIDEONSE XIX

CURRICULUM VITAE

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SUMMARY

Educator, entrepreneur, inventor, composer, producer and audio technologist. Expert in analog and digital audio engineering, studio design and acoustic treatment. College-level teaching experience at Tufts University, Northeastern University, the New England Institute of Art, University of Massachusetts Lowell and the Center for Digital Imaging Arts at Boston University. Expert witness in forensic acoustics and audio. User Experience consulting and design.

EDUCATION

Master of Music: Sound Recording Technology, U. Mass Lowell May, 2012. Advisor Alex Case. GPA 4.0. Research included comparisons between popular PCM, lossless and lossy digital audio formats. Focused production work in surround formats. Acoustic testing and analysis. Analysis and comparison of tape formulations and digital converters. Thesis work involves the invention and testing of a new type of acoustic diffuser. (<http://www.xix-acoustics.com>)

Master of Arts, Music Composition, Tufts University, 1997. GPA 3.79. Advisor: John McDonald. Thesis: Sonata for bassoon and piano entitled, "Under the Light of a Crescent Shaped Moon"

Bachelor of Arts, Music, Tufts University, 1994. Cum Laude with High Thesis Honors. GPA 3.49. Advisor Jane Bernstein. Thesis: "The Joe Maneri Quartet: Methods for Analysis of Freely Improvised Microtonal Music"

Analog Circuit Design Course, Harvard University Extension School, Fall 2010.

PROFESSIONAL EXPERIENCE

New England Institute of Art || 2005-2011 || Part-Time Professor

- Taught Recording 1, Audio Technology 2, Listening & Analysis, and Music Theory courses
- Developed curricula for Recording 1 and Audio Technology 2 later adopted by other instructors
- Developed a method for teaching non-musician audio engineers music theory

Lecture and hands-on topics included:

- physics and acoustics
- waveform analysis
- block diagrams and signal flow
- signal processing
- studio budgeting and design
- acoustic testing and analysis
- connections, transformers, patch bays
- multi-track recording and mixing
- troubleshooting audio systems
- critical listening

University of Massachusetts Lowell || 2009 - 2010 || Adjunct Professor

- Taught Survey of Audio Technology to Music Business majors
- Developed curriculum to teach the basics of digital multi-track recording, MIDI sequencing, and notation software
- Defined the technology needs for the course and developed the lab equipment and software

SAVOR Partners || 2009-present || Founding Partner

- Partnered with Elliot Scheiner and Karen Brinton to create a new media platform
- Invented and developed digital media player and its corresponding data architecture
- Authored patent provisional and non-provisional applications for both the utility and ornamental design of media player
- Developed and presented materials for meetings with Panasonic, Samsung, Acura, Oxford Digital and Warner Music Group

XIX Acoustics || 2007-Current || Principal (<http://www.xix-acoustics.com>)

- Invented, developed and wrote provisional and non-provisional patent for 3-dimensional acoustic diffuser system, The Acoustic Ramp™
- Recording studio design and consulting; clients include Trinity College, Center Digital Imaging Arts at Boston University, Echo Boston, and Northshore Recovery High School.
- Loudspeaker testing, evaluation, recommendation, installation and calibration for stereo, 2.1, 5.1 and 7.1 Surround
- Microphone testing and evaluation for frequency response, time coherence and directivity
- Acoustic testing and evaluation of acoustic treatments with expertise in diffusion
- Impulse response measurements, frequency response measurements, distortion, time-domain and phase analysis, RT60, NC, STC, SPL
- Noise and isolation testing
- Audibility and intelligibility testing
- Forensic acoustics and expert witness testimony
- Design and construction of custom acoustic treatments for critical listening spaces
- Wrote user manuals for Daking Audio's Mic Pre One, Mic Pre IV, Mic Pre EQ, FET Compressor II, FET Compressor III
- Founded the stuDIY.tv Blog, which focuses on audio production and technology issues, prototyping electronic devices and the construction of studio spaces. (<http://www.stuDIY.tv>)

Northshore Recovery High School || 2006-2012 || Studio Designer/Music and Technology Program Lead

- Developed a budget and curriculum for an after school program in audio production
- Worked with, taught and mentored adolescents with substance abuse problems
- Designed and implemented studio construction and outfitting
- Designed and built a 6' x 7' x 8' isolation booth for less than \$2000 in materials
- Taught sections of weekly music and culture classes

Tufts University || 1996 – 1997 || Electronic Music Lab Designer and Instructor

- Designed, budgeted, and built the Tufts Electronic Music Lab
- 16 Mac stations with full MIDI implementation and keyboards
- Taught course using "Practica Musica" to teach ear training to students
- Wrote a chapter for a textbook using a monochord to teach principals of physics and acoustics

Indecent Music || 1998-present || Founder, Producer, Composer

Indecent Music is both a recording/production studio and an independent record label.

Audio production and engineering for a variety of clients including:

Roger Miller (Mission of Burma)	Bryan McPherson	Catie Curtis
Tom Hambridge	Salvatore Baglio (Stompers)	Lyrical
Natalia Zukerman	AfroDZak	Shuman
The Foundation	Sandro G	Disciple
David Wildman	Kabir	Chris Mascara
Tammi Esquivel	Jackie Carlyle	John McDonald
Mingo	JP Lime	Sierra West

Music composition and instrumental performances

Art Direction for CD packaging and marketing materials

Instrumental performances on guitars, contrabass, bass guitars, drums, keyboards, vocals and drum programming

Composed and produced music for the following commercial entities:

TV advertising campaign for Right Turn, Inc

Project Think Different

Music for XY.TV's program "Comm Ave."

Roger Williams Park Zoo television advertising campaign

Oregon Live! Television Campaign

Useful Technology's AllAware

Mike Michaud for Congress Campaign 2008

Tufts University

Tufts Lighting, Sound & Video || 1991-1995 || General Manager

- Provided audio, lighting and video services for Tufts University
- Hired team of 20 undergraduates and trained them in live audio production and lighting design
- Provided live production for such acts as Wynton Marsalis, Tito Puente, Fishbone, Drop Kick Murphy's and Think Tree

Various Companies & Organizations || 1996 – 2002 || User Experience Designer and Web Consultant

- Provided consultation and design materials for high-tech companies. Specialized in User Experience, Usability and Human Factors Engineering. Clients included: LEXIS-NEXIS, Metanex, Elsevier Science, Reed-Elsevier, MIT Sloan School, WIT, AspenTech, Tufts University, PurchaseSoft, Useful Technology, Cakewalk Software (12 Tone Systems), FruityLoops
- Worked as Senior User Experience Designer for Anchorsilk, hired the user experience team
- Lead User Experience Designer/Product Designer for SoundsBig.com
- Member of the User Experience team for Reed Elsevier Technology Group
- Performed usability tests, developed focus group-based user evaluations of web applications
- Developed information architecture for web applications using card sorting techniques and stake-holder interviews

Technologies: XHTML, CSS, Javascript, PHP, XML/XSLT, Visual Basic, VBScript, and WordPress.

PROFESSIONAL AFFILIATIONS

Audio Engineering Society (AES)
Greater Boston Chapter of the Acoustical Society of America
American Society of Composers, Authors and Publishers (ASCAP)
Steering Committee and Supporter of Right Turn, Inc.

PAPERS & CONFERENCES

“The Joe Maneri Quartet: Methods for Analysis of Freely Improvised Microtonal Music.” Fall 1995. American Musicological Society Regional Meeting Wesleyan University.

“Demystifying Compressed Audio.” Fourth Annual Art of Record Production Conference 2008. November 14-16, 2008. University of Massachusetts, Lowell.

REFERENCES

Alex Case (Alexander_Case@uml.edu)
William Moylan (William_Moylan@uml.edu)
John McDonald (john.mcdonald@tufts.edu)
Michelle Lipinski (mlipinski@nsedu.org)
John Krivit (johnkrivit@mac.com)
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