

Matt Ingalls

COMPOSER COMPUTER MUSICIAN CLARINETIST
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http://mattingalls.com

Education

Master of Arts in Composition. Mills College, Oakland, California [1996]
Alumnae Scholarship. Heller Scholarship. Carruthers Scholarship
Paul Merritt Henry Prize for Excellence in Music Composition
"Who's Who" Among Students in American Universities and Colleges
Composition & Electronic Music Studies with Chris Brown, Alvin Curran, and George Lewis

Bachelor of Music in Composition. University of Texas at Austin [1994]
Dean's List. Golden Key National Honor Society. Tuition Waiver Scholarship
Computer Music Studies with Russell Pinkston. Composition Studies with Karl Korte and Dan Welcher

Employment: Teaching

University of San Francisco [Fall 2005/Fall 2006]
Adjunct Faculty: Digital Audio Synthesis

Dartmouth College [Fall 1998]
Adjunct Faculty: Music Harmony and Theory I

East Bay Center for the Performing Arts [Fall 1996]
Clarinet Instructor: Berkeley School Outreach Program

Mills College [Fall 1995 - Spring 1996]
Teaching Assistant: Seminar in Electronic Music & Computer Music Studio Technician

Private Instruction/Tutor [occasional]
Clarinet, Composition, Improvisation, and Computer Music

Employment: Audio Software Engineer

GVOX [8/2005 - 11/2009]
Senior Software Engineer developing MacOS/Win32 versions of *Encore*, *MusicTime Deluxe* and *Master Tracks*.

Livid Instruments [7/2005]
Created *Max/MSP* externals for copy protection and data compression.

Arboretum Systems [5/2005 & 10/1999 - 1/2000]
Ported *RayGunPro* and *Ionizer* plugins to AudioUnit format. Created software synthesizer in BeOS.

Bias [9/2004 - 2/2005]
Various improvements and feature implementations to the multitrack audio recording application *DECK*.

Cycling74 [9/2001 - 7/2004]
Implemented CoreAudio drivers for *Max/MSP*. Created *csound~* *Max/MSP* external. Created *Soundflower*, which was named a top new technology "certified hit" of the 2004 Winter NAMM show by *MIX Magazine*.

Muscle Fish [4/2003]
Macintosh CoreAudio audio consultant for creating soundfile playback and looping routines.

Blue Spike [4/1999 - 2/2001]
Digital audio watermarking development.

ShadeTree, Inc. [5/1997 - 7/1998]
Junior Software Engineer.

Center for Contemporary Music, Mills College [6/1996 - 8/1996]
Digidesign Audio Hardware and OMS MIDI Driver support for *HMSL*.

Awards and Residencies

Composer Residency, Djerassi Artist Program [December 2010, February 2010 & March 2001]
Meet the Composer 'Creative Connections' Fund [1997, 2001, 2005, 2007, 2009(x2)]
ASCAPPlus Award [2000 - 2010]
American Composers Forum 'Subito' Grant [2003 & 2007]
Editor's Choice Award, *Electronic Musician Magazine* [2004]
New Langton Arts Bay Area Award for musical performance [1997]
"Who's Who" Among Students in American Universities and Colleges [1997]
ASCAP/SEAMUS Commission and Recording Prize [1996]
Paul Merritt Henry Prize for Excellence in Music Composition [1996]
1st Prize Humor Category, Bourges Electroacoustic Competition [1994]

Guest Lectures, Masterclasses, Panels, and Interviews

Lecture/Workshop: "Composition vs. Improvisation" - Stanford University [1/2011 (forthcoming)]
Lecture/Demonstration: "Composing for Improvisers" - UC Berkeley [10/2010]
Instructor: Improvisation Workshops - ARTSON Contemporary Music Course, Guadalajara, Mexico [10/2010]
Lecture: "Three recent works" - ARTSON Contemporary Music Course, Guadalajara, Mexico [10/2010]
Jury Panelist: Composer/Sound - Headlands Residency Program [9/2010]
Lecture/Demonstration: "Orchestrating for Clarinet" - Mills College [1/2010]
Lecture/Demonstration: "Introduction to Sound Diffusion" - Mills College [11/2009]
Advisor: Sound Diffusion for Undergraduate Composers - Mills College [9/2009]
Lecture/Performance: "Algorithms for Computers and People" - University of Washington [4/2009]
Lecture/Performance: "My Interactive Music" - University of Wisconsin, Milwaukee [4/2009]
Lecture/Demonstration: "Sound Diffusion Workshop" - San Francisco Tape Music Festival, [1/2009]
Interview: The San Francisco Tape Music Festival, Pirate Cat Radio 90.3 fm [1/2009]
Interview: Dean Suzuki's *Discrete Music* KPFA 94.1 fm [11/2008]
Lecture/Demonstration: "Orchestrating for Clarinet" - University of California, Berkeley [10/2008]
Lecture/Demonstration: "Composing for Winds" Masterclass - University of Wisconsin, Milwaukee [9/2008]
Reading Session: Student Composers (w/ sfSound) - University of Wisconsin, Milwaukee [9/2008]
Reading Session: Student Composers (w/ sfSound) - San Francisco State University [5/2008]
Lecture: "My Computer Music" - University of Hull, Scarborough, England [11/2007]
Lecture: "My Computer Music" - Sounds Electric Festival, Dundalk, Ireland [11/2007]
Lecture: "Csound Show and Tell: Computer Music Tricks" - Sounds Electric Festival, Dundalk, Ireland [11/2007]
Reading Session: Student Composers (w/ Worn Ensemble) - Mills College [4/2007]
Lecture/Demonstration: "Composing for Clarinet" - Lowell High School, San Francisco [4/2007]
Lecture/Demonstration: "Introduction to Sound Diffusion" - Mills College [1/2007]
Jury Panelist: Student Awards - SEAMUS National Conference [10/2006]
Lecture: "György Variations" (w/ sfSound) - Wesleyan University [2/2006]
Lecture: "My Music" - Mills College [4/2005]
Interview: Sarah Cahill's *Then and Now*, KALW 91.7 fm [2/2005]
Post-Concert Audience Discussion after premiere of "Talking Variations" - Oakland Chamber Ensemble [11/2004]
Lecture: "My Computer Music" - San Francisco Art Institute (Art & Technology Symposia) [10/2004]
Interview: re The San Francisco Tape Music Festival, KUSF 90.3 fm [2/2004]
Jury Panelist: Composition - Djerassi Arts Residency Program [10/2003]
Lecture: "MacCsound" - University of Texas at Austin [9/2003]
Lecture: "My Music" - University of Houston [9/2003]
Lecture: "My Music" - North Texas University [9/2003]
Lecture: "My Music" - University of Texas at Arlington [9/2003]
Lecture/Performance: "The Extended Clarinet" - Houston High School for the Performing Arts [9/2003]
Lecture/Performance: "My Recent Music Software" - Songlines Series, Mills College [2/2002]
Interview/Performance: Carl Stone's *Music of the World*, KPFA 94.1 fm [1/2001]
Interview/Performance: Barb Golden's *Crack O' Dawn*, KPFA 94.1 fm [11/2000]
Jury Panelist - SEAMUS Electro-Acoustic Music Conference [10/2000]
Discussion Panelist - John Donald Robb Composers Symposium, University of New Mexico [3/2000]

Compositions (with selected performances)
selected - see http://sfsound.org/matt/matt_ingalls_works.pdf for complete list

electroacoustic

Sonatina (2009, 9') four-channel tape - *commissioned by the San Francisco Tape Music Collective*

San Francisco Tape Music Collective - Mills College, Oakland [11/9/2009]

Bellingham Electronic Arts Festival, Bellingham, Washington [5/1/2009]

San Francisco Tape Music Festival - CellSpace, San Francisco [2/1/2009]

Easter Egg (2009, continuous) software

C++ algorithm controlling a General MIDI synth surreptitiously embedded in a commercial software application.

False Awakening (2007, rev. 2008, 16') chamber ensemble, electronics, and tape

sfSoundGroup - University of Wisconsin, Milwaukee [9/28/2008]

sfSoundGroup - San Francisco Electronic Music Festival [9/3/2008]

sfSoundGroup - sfSoundSeries, ODC, San Francisco [7/22/2007]

C+C (2006, 10') interactive Csound orchestra with improvising clarinetist

The Stone, New York City [11/24/2006]

sfSoundSeries, ODC, San Francisco [11/13/2006]

Cecil (2004, continuous duration) software

a virtual free-jazz pianist software, written in C++.

Scherzo: Allegro Molto (2002, 3') stereo tape

Bellingham Electronic Arts Festival, Bellingham, Washington [5/1/2009]

San Francisco Tape Music Collective - Strictly Ballroom Series, Stanford University [10/23/2003]

Invalid Sync (1999-2001, variable duration) sample-based performance instrument, written in C++

San Francisco Electronic Music Festival [5/5/2001]

CEAIT Electronic Music Festival, Cal Arts, Valencia [1/13/2001]

f(Ear) (1997, 10') stereo tape - *commissioned by ASCAP/SEAMUS*

Ensemblesalen, Artisen, Sweden [2/21/1998]

SEAMUS National Conference, University of Missouri, Kansas City [4/3/1997]

CrusT (1996, 11') clarinet and tape

Rob Bailis, clarinet - Kunst-Stoff Arts, San Francisco [7/16-17/2010]

Meany Hall for the Performing Arts, University of Washington, Seattle [4/24/2009]

Sounds Electric '07 Festival, Dundalk, Ireland [11/20/2007]

University of California, Santa Cruz [5/18/2007]

CLAIRE (1995, variable duration) interactive virtual pianist, written in HMSL

Computer Music Under the Stars, CCRMA, Stanford University [7/22/1999]

Silent Cacophony (1992, 7') four-channel tape

Concert Des Laureats Des Concours Et Puy Internationaux, Bourges, France [6/4/1995]

solo clarinet

constantly evolving solo work (1997 - present, ~25')

NOHSpace, San Francisco [11/2/2010]

ARTSON Music Course, Guadalajara, Mexico [10/4/2010]

ROOM Series, Royce Gallery, San Francisco [2/19/2010]

Wayward Music Series, Chapel Performance Space, Seattle [4/29/2009]

University of Hull, Scarborough [11/26/2007]

CCRMA, Stanford University [11/13/2007]

The Stone, New York City [11/24/2006]

Other Mind's BRINK Series, San Francisco [7/25/2005]

acoustic

Trio Largo (2005, rev. 2010, 17') ob, cl, a.sax, tpt, with an optional "background" improvising ensemble
sfSoundGroup - sfSoundSeries, Old First Church, San Francisco [8/20/2010]
sfSoundGroup - sfSoundSeries, ODC, San Francisco [6/27/2005]

György Variations (2002, rev. 2010, 10') ob, cl, a.sax, tpt, tbn, pno
sfSoundGroup - Wesleyan University, Middletown, Connecticut [2/24/2006]
sfSoundGroup - Interpretations Series, Merkin Hall, NYC [2/23/2006]

let us return to the old masters... (2009, 8') for reconstructed *Intonarumori* (co-composed with sfSound)
SFMOMA's *Futurism's The First 100 Years* - Yerba Buena Gardens, San Francisco [10/16/2009]

Quint(et) (2009, 15') string quartet and percussion - *commissioned by UW Milwaukee's American Sounds Project*
UWM Graduate String Quartet - University of Wisconsin, Milwaukee [4/5/2009]

Tinnitus Insect Volume Knobs (2007, 20') for any instruments with pitches above 1kHz
BrutalSFX Festival, 21Grand, Oakland [10/20/2007]

Spout (1995/1997/1999/2007, variable duration) chamber orchestra
New Music Ensemble - Grand Valley State University, Allendale, Michigan [5/5/2006]
Aura Contemporary Music Ensemble - University of Houston [9/29/2003]

Talking Variations (2005, 15') picc, ob, cl, bsn, hn, tpt, pno, vn, vc - *commissioned by Oakland Chamber Ensemble*
Oakland Chamber Ensemble - St. John's Church, Berkeley, California [11/19/2004]

Software and Hardware

Aardvark [2010]

A multi-touch analog synthesizer for iPhone. Underlying architecture is a complete C++ synthesis toolkit designed for use in future audio projects.

MacCsound [1996-2010]

The popular MacOS "front-end" interface to Csound. Featured in *Keyboard Magazine* and winner of an *Electronic Musician Magazine's* 2004 Editor's Choice Award.

Fielder [1999-2001 & 2010]

Real-time audio application for MacOS and iTunes visualizer plug-in that displays the stereo sound-field.

Audio Gater [2008, rev. 2010]

Arduino-controlled optoisolators for gating audio signals. (original version used a BASIC Stamp microcontroller)

Rod Controller [2007]

A USB computer keyboard hacked into a trigger for driving a Csound instrument.

Imager [2000]

A VST plug-in to rotate and zoom a stereo image of an audio stream.

Fork [1999]

MacOS and BeOS digital tuner application with pitch correction, written in C++.

Published Writings

"Improving a Composer's Interface: Recent Developments to Csound for the Power Macintosh Computer" & "Algorithmic Composition with Csound" - *The Csound Book*, MIT Press [2000]

Reviews, The Transbay Creative Music Calendar:

"SF Symphony Mavericks Festival Review" [2/2002], "Out There: Micro-reviews of six bay area concerts" [10/2002], "Electroniques du Fromage: SF Contemporary Music Players Review" [12/2003]

Performances (as a clarinetist)

selected - see <http://mattingalls.com/performances.html> for complete list)

improvisation

with Frank Gratkowski and *Grosse Abfahrt* - The Luggage Store, San Francisco [6/24/2010]
with Birgit Ulher and *Grosse Abfahrt* - 21Grand, Oakland [2/17/2010]
with Jane Rigler, Ken Ueno, and sfSound, CNMAT, UC Berkeley [5/18/2009]
with Fred Frith and *Grosse Abfahrt* - Trinity Chapel, Berkeley [11/20/2008]
with Richard Teitelbaum and John Ingle - San Francisco Electronic Music Festival [9/5/2008]
with Stuart Dempster, Loren Dempster, and Dan Joseph - San Francisco [7/27/2008]
with John Butcher and sfSound - sfSoundSeries, ODC, San Francisco [6/8/2008]
with Stefano Scodanibbio and sfSound - Old First Concerts, San Francisco [5/18/2008]
with Joëlle Léandre, Gino Robair, Tim Perkis, and Toyoji Tomita - CNMAT, UC Berkeley [11/23/2004]
with Greg Kelley - SFALT Festival, San Francisco [5/11/2003]
with various participants - No Idea Improvised Music Festival, Austin & Houston, TX [5/20-23/2000]
with SkronketWest - Instants Chavirés, Paris, France [3/12-21/2003]
with Chris Brown - Strictly Ballroom Series, CCRMA, Stanford University [9/28/2000]
with various participants - HighZero Improvised Music Festival, Baltimore [9/21-24/2000]
with Eddie Prevost and Damon Smith - Luggage Store Gallery, San Francisco [4/12/1999]
with Tim Perkis and John Shiurba - Seattle Improvised Music Festival [5/2/1998]

repertoire

Sylvano Bussotti retrospective with sfSound - SFMOMA, San Francisco [12/2/2010]
Xenakis *Charisma* - ARTSON Music Course, Guadalajara, Mexico [10/4/2010]
Glass *Einstein on the Beach: Train*, Beat Furrer *Aer* - sfSound, Community Music Center, San Francisco [9/19/2010]
Mathias Spahlinger *Fugitive Beaute*, Christian Wolff *Exercises* - sfSound, Old First Church, San Francisco [8/20/2010]
Ligeti *Chamber Concerto* - sfSoundSeries, Conservatory of Music, San Francisco [1/23/2010]
Braxton *Composition #292*, Tenney *Swell Piece #1*, Cardew *Autumn 60* - sfSound, 21 Grand, Oakland [6/5/2010]
Lachenmann *Dal Niente*, Neuwirth *Fondementa*, Stockhausen *Kurzwellen*, Meridian Gallery, San Francisco [11/11/2009]
Xenakis, Czernowin, Chessa, Ulman, Bruckmann - sfSoundSeries, ODC, San Francisco [9/13/2009]
Stockhausen, Braxton, Huber, Bithell - sfSoundSeries, ODC, San Francisco [8/9/2009]
Babbitt, Neuwirth, Lucier - sfSoundSeries, ODC, San Francisco [7/19/2009]
Reich *Reed Phase*, Smalley *Clarinet Threads* - Meany Hall, University of Washington, Seattle [4/24/2009]
Alvin Lucier *In Memoriam Jon Higgins & Denis Smalley Clarinet Threads* - WELLgallery, Oakland [4/17/2009]
Elliott Carter *Triple Duo & Tempo e Tempi*, Harvey Sollberger conducts sfSound - San Francisco State [2/7/2009]
Gérard Grisey *Talea* - Messiaen Illuminated Festival, Old First Concerts [11/15/2008]
Richard Teitelbaum *New Work* - San Francisco Electronic Music Festival [9/5/2008]
Oliveros, Ferneyhough, Subotnick, Sender, Moran, Ulman - sfSoundSeries, ODC, San Francisco [8/10/2008]
Zenith Portals premiere & music by Reich, Scelsi, Sciarrino, sfSound - sfSoundSeries, ODC, San Francisco [7/13/2008]
Helmut Lachenmann *Allegro Sostenuto* (& coaching with Lachenmann) - Mills College, Oakland [1/26/2008]
CCRMA Composers - "New Stage" Opening Concert - Stanford [4/29/2006]
Anthony Braxton Tentet - Victoria Theater, San Francisco [12/12/2003]
Lachenmann *Allegro Sostenuto*, Xenakis *Charisma* - University of California, San Diego [5/23/2003]
Pauline Oliveros Restrospective Festival, San Francisco [6/1/2002]

Installations

SF Tape Music Collective multi-speaker sound installation - N O M A Gallery, San Francisco [6/2010]

Concert Production

Founder and Co-Director, sfSound Contemporary Music Group and Series [1999 - present]
Creator and Curator, sfSoundRadio internet radio stream [2003 - present]
Founder and Co-Director, San Francisco Tape Music Collective/Festival [1999 - present]
Director, ACME Observatory Contemporary Music Series [2000 - 2004]
Co-Producer, San Francisco Electronic Music Festival [2003]
Director, Art Rattan Concert Series (aka East Bay Creative Music Festival) [1998 - 2000]
Creator and Moderator, Bay Area New Music Events and Discussion Lists [1998 - present]

Reviews and Press (selected - see <http://mattingalls.com/press.html> for complete list)

Britt, Aaron. *The Hot New Sound on the Scene? Oh, Yes, It is the Clarinet*. New York Times [10/22/2010]

McDonagh, Michael. *Loud and Clear*. Sequenza21 [9/26/2010]

...like any good improv sounded both spur of the moment and composed, and Ingalls' easy virtuosity held the audience spellbound for 17 uninterrupted minutes.

Smoliar, Stephen. *Strong Winds*. San Francisco Classical Music Examiner [8/21/2010]

...awe-inspiring, reminding us that one does not need the full force of a symphony orchestra or all of the stops pulled out on a pipe organ to evoke the presence of something far greater than oneself. The overall experience was one of exhilaration.

Warburton, Dan. *Grosse Abfahrt: Erstes Luftschiff Zu Kalifornien CD Review*. Paris Transatlantic [7/2007]

The immensely talented (and criminally under-recorded) Ingalls is on magnificent form, sketching delicate melodic lines between the luminous clusters and buzzing clouds...

Felix Houle, Jacob. *women*. Horrible Heaven: Bay Area Noise/Improv Reviews [3/25/2007]

...an intense noise clarinet sound. It seemed like it had peaked, but Matt kept escalating things to an unbelievably intense level. My timpanic membranes were creaking and generally freaking out – of course I was loving it. Toward the end he was rapidly trilling between two notes and the room's natural reverb sufficiently blurred the tones so that it sounded like two lines were being played simultaneously. I could more or less discern what was producing the results, but the auditory effect sounded like so much more than that simple explanation suggests. Really incredible. Post-concert conversations confirmed that pretty much everybody was completely blown away by this performance.

Layton, Steve. *Steve's Click Picks*. Sequenza21 [10/6/2006]

...one of those Bay-Area powerhouses that seems to pop up all over the new-music scene. A phenomenal clarinetist as well as composer and improviser.

Warburton, Dan. *Jack Wright: Signs of Life CD Review*. Paris Transatlantic [8/2006]

...one of American reductionism's landmark recordings.

Rosenfeld, Jeff. *Solos and Interactions*. San Francisco Classical Voice [10/26/2002]

...the Ingalls work, "CrusT" for Clarinet and Tape nearly overshadowed the rest of the concert.

Day, Thomas. *Scotch, Duct, Magnetic...Transparent! Tape Music Festival*. Transbay Creative Music Calendar [9/2002]

Ingalls's endeavors into "cut-up" music were taken to a new plateau in this 2'30" shot to the head.... His application of "classical" composition formula to such relatively short burst of sound was a feat in itself.

Miller, Denis. *Csound Comes of Age*. Electronic Musician Magazine [7/2002]

Matt Ingalls's work has made Csound on the Mac far more efficient and powerful.

Demma Van Hage, John. *Balancing the Accessible and the Abstruse*. San Francisco Classical Voice [6/4/2002]

Xenakis' "Anaktoria" (1969)...began with an austere opening horn...then joined by the shrill cry of Matt Ingalls' clarinet and seemed to go on far too long. Ingalls adroitly hurdled the several multi-phonic sections and when called on to crescendo from out of nothingness to a full volume, sounded like something from a distant epoch. This simple and agonizingly slow crescendo after a fury of string activity rang true in the unmarred acoustics of the chapel and was by far the highlight of the piece.

Henderson, Richard. *San Francisco Electronic Music Festival Review*. The Wire [6/2001]

Grabbing the tone arm and slamming or scraping the cartridge across vinyl, he produced brutalised blasts of noise that were then resectioned in his computer, with recombinant patterns born of the sonic shards triggered by his keyboard.

Henken, John. *Electronic Festival Puts Art in the Back Seat*. Los Angeles Times [1/15/2001]

...shapeless sonic tinkering...

Discography (selected - see <http://mattingalls.com/discography.html> for complete list)

electroacoustic

Cultures Electroniques 12 - Lauréats des Puyaux aux Concours de Bourges 1993-1994 (imeb/unesco/cime)
silent cacophony (tape composition)

Music from SEAMUS - Volume 6 (seamus records)
CrusT (clarinet and tape)

Music from SEAMUS - Volume 7 (seamus records)
f(Ear) (tape composition)

From Transparent Tape Music Festival (new san francisco tape music center)
f(Ingerling) (tape composition)

Praeface Compilation (praemedia records)
electronic improv-duo with wobbly

clarinet

Anthony Braxton - Nine Compositions (rastascan records)
live and studio recordings with braxton, bay area musicians, and special guests

Mark Applebaum - The Metaphysics of Notation (innova records)
dvd documentation of applebaum's ambitious graphic score project

Mark Applebaum - Sock Monkey (innova records)
two compositions for sfSound by mark applebaum

Grosse Abfahrt - everything that disappears (emanem records)
tom djill's improv big band with le quan ninh and frederic blondy

Grosse Abfahrt - erstes Luftschiff zu Kalifornien (creative sources recordings)
tom djill's improv big band with serge baghdassarians and boris baltschun

Gino Robair - I, Norton (rastascan records)
live performance from sfSoundSeries

Signs of Life (spring garden records)
live recording from art rattan with jack wright and bhob rainey

Joseph Anderson - Epiphanie Sequence (sargasso records)
source material for joseph anderson's mpingo