

PANAIOTIS

CATALOG OF WORKS (JULY 13, 2023)

FILM SCORES:

2020	Music for the film <i>Manual Depression</i> . Shown as part of the <i>Experiments In Cinema</i> . Film by Sa Kaufman.
2019	Music for the film <i>Fifty Feet Near Wendover</i> . Shown at the <i>Experiments In Cinema</i> . Film by Kate Lain.
2009	<i>Fugue State</i> : Sound design and music for the film <i>Fugue State</i> , written and directed by Tim McClelland. (November, 2008: Albuquerque, NM).
2006	<i>The Kiss</i> : Music for the short film <i>The Kiss</i> . Produced by Digital Film Institute as part of the Duke City Shootout. Film written and directed by Chidiki Whitley. (July, 2006: Albuquerque, NM).

COMPREHENSIVE CATALOG AND KNOWN PERFORMANCES OF WORKS:

Comprehensive list of works with premier performance dates, performers (where available), and other relevant anecdotal information.

2020	Music for the film <i>Manual Depression</i> . Shown as part of the Albuquerque Experimental Film Festival.
2019	Music for the film <i>Fifty Feet Near Wendover</i> . Shown at the Albuquerque Experimental Film Festival.
2019	<i>Bandojo Dinner Setting System</i> in the conference room of US House of Representative Debra Haaland, Albuquerque, NM.
2018	Albuquerque Folk Festival. Bandojo exhibit. June 2018 at the Albuquerque Balloon Museum, Albuquerque, NM.
2018	Albuquerque Mini-Maker Faire. Bandojo exhibit. April 2018 at the Albuquerque Balloon Museum, Albuquerque, NM.
2017	Albuquerque Mini-Maker Faire. Bandojo exhibit. August 2017 at the Albuquerque Balloon Museum, Albuquerque, NM.
2017	<i>Bandojo Dinner Setting System</i> at the Intel Museum in Santa Clara, CA. Displayed in the executive meeting suite November 2016-February 2017.
2016	Albuquerque Mini-Maker Faire. Bandojo exhibit. August 2016 at the Albuquerque Balloon Museum, Albuquerque, NM.
2014	Artful Tech concert with Nandkishor Muley (Indian santur) Michele Spiro (autoharp) and Panaiotis (Bandojo). Andrew Stone (videator). August 2014 at the Levitated Toy Factory, Albuquerque, NM.
2013	<i>Golden Age</i> world premier, April 27, 2013 by the La Jolla Conservatory of Music.

2013	Golden Spring world premier, March 24, 2013 by Chatter at the John Donald Robb Composers' Symposium, Albuquerque, NM.
2012	Tromboot Camp: Premiered several new works for low brass: Alien Zoo , Green Tree-O , and Fanfare from Journey to Avalon (arr. for trombones); trombone choir at Hummingbird Music Camp. June 2012.
2012	Lyradical Rag : Computer-assisted music improvisation premiered at University of New Mexico with Panaiotis, computer; Tonya Akeley, trombone; and Russell Turek-electric guitar. March 29, 2012.
2011	Revolutions : Computer-assisted music improvisation premiered at Berklee College of Music with Kari Juusela, electric cello; Nandkishor Muley, santur; Panaiotis, computer; Jerry Leake, perc.; and Steven Chelliah-electric guitar. September 29, 2011.
2011	Re-Form : Dance and video concert at Wild Dancing West Festival, North 4th Street, Aluquerque, NM. Featuring new collaborative works with choreographer Jennifer Predock-Linnell and video artists Joyce Neimanas and Moira Speers-Ellis: <i>Commercial Break</i> , <i>Bitter Bed</i> , <i>Dithering</i> , and <i>Reform</i> .
2011	NephronX : an interactive simulation of the physiological function of the kidney nephron using a game environment. Programming, animation, modeling, film editing, and algorithmically generated music. http://www.highdesertinteractive.com . Shown at SSIH and MMVR conferences, Jan. and Feb. 2011 and Los Alamos Next Big Idea Festival, Oct. 2011.
2011	Lifsongs : Lifesongs was a project of Littlelobe and the Santa Fe Opera. Lifesongs's partners included Santa Fe Care Center, Young Voices of The Santa Fe Opera, Dolce Suono of the University of New Mexico, The Lensic Performing Arts Center, Coming Home Connection, Ambercare Hospice Care - Albuquerque and Santa Fe, The Santa Fe Waldorf School, and The Santa Fe Complex.
2011	Unquiet : Music for solo dance and video. UNM Department of Theater and Dance. March, 2011
2010	Performance of a solo improvisation using recently completed custom software and audio processing. High Mayhem: February 21, 2010
2009	New and old improvisation works performed at Stetson University with Nathan Wolek, electronics, and Nandkishor Muley, Indian santur.
2009	Trace: dance video (see below for collaboration details) Showcased at the 17th Quinzena de Dança de Almada – Contemporary Dance Festival in Portugal. (June, 2009).
2009	Continental Drift : new version expanded and arranged for youth performers at La Jolla Conservatory of Music. Premiered May, 2009. Master classes were conducted over the internet between Albuquerque and San Diego in preparation for the performance.

2009	Animations of the cellular mechanism of sodium reabsorption in the early proximal tubule of the kidney nephron. Used as part of a VR simulation and tested on medical students at UNM Health Sciences. (Animation and music).
2008	Chamber Music Albuquerque 2008-2009 Season: Motion graphics video featuring the CMA artists for the season. Dur. 10 min. YouTube and CMA website but currently viewed at: http://www.hpc.unm.edu/~panaioti .
2008	Yada yada yada: Multi-image installation featuring algorithmically manipulated sound and images. Participating collaborators: Jennifer Predock-Linnell, Joyce Neimanas, Alie Hanson, and Moira Ellis. Sept.–Dec. 2008: Popejoy Performing Arts, Music and Art Museum display cases; UNM.
2008	Trace: Quadraphonic electronic music for dance. Dur: 11:21. Choreography by Jennifer Predock-Linnell; images by Joyce Neimanas. Premiered Feb., 2008, Univ. New Mexico. 2nd performance at John Donald Robb Composers’ Symposium, Popejoy Performing Arts Center, Albuquerque, NM April 1, 2008. Subsequent public outdoor performances in May 2008.
2007	Chamber Music Albuquerque 2007-2008 Season: Motion graphics video featuring the CMA artists for the season. Dur. 10 min. YouTube and CMA website.
2007	Terminal Velocity: Quadraphonic electronic music for dance. Dur: 40:00. Choreography by Jennifer Predock-Linnell; images by Joyce Neimanas. Premiered Feb. 2007, Univ. New Mexico. 2nd performance at North 4th Street Theater as part of the Wild Dancing West series: May 18-20, 2007.
2007	The Waters of Life: Interactive multimedia simulation of the kidney nephron. This project was originally an educational tool and vehicle for research in VR simulation technology. It was included in the Art and Artifice of Science exhibit at Santa Fe Museum of Fine Art from February-May, 2007. Featured display at the International Convention for Simulation in Healthcare, Feb 13-16, 2008, San Diego, CA. Featured installation at the 16th annual Medicine Meets Virtual Reality, Los Angeles, CA, Feb. 21-24, 2008.
2006	Candide: Music for UNM/Tricklock Theater production of a new treatment of Voltaire’s Candide. Premiered Nov 2006 at Rodey Theater, Albuquerque, NM.
2006	Nowhere Slowly: Video documentary of the dance performance at John Donald Robb Composers’ Symposium, Carlyle Gym, Albuquerque, NM April 3, 2006.
2006	The Kiss: Music for the short film <i>The Kiss</i> . Produced by Digital Film Institute as part of the Duke City Shootout. Film written and directed by Chidiki Whitley. (July, 2006: Albuquerque, NM)
2005	Derivation of Chaos: Music for a digital animation. Animation by Hue Walker Bumgarner-Kirby. Dur: 3:00. Premiered July 2005 as part of Domefest 2005 at the Museum of Natural History in Albuquerque, NM.

2005	Network Intrusion Detection music Algorithmically generated music providing port connection information in a virtual reality representation of network connection activity at Los Alamos National Labs. Music is reminiscent of wind chimes. Cyber attacks are heard as gusts of wind. The type of attack is heard by nature of the musical material. Network anomalies can be detected as a time-domain characterization. Such anomalies are not easily discovered with visual representations of the data. Proof of concept demonstration developed in collaboration with Los Alamos National Labs.
2005	Northern Lights: Concerto for electronics and orchestra. Commissioned by Santa Fe Community Orchestra. Premiered June 18, 2005 at St. Francis Auditorium, Santa Fe, NM.
2005	Rapture Rapture: Quadraphonic music for the dance work <i>Nowhere Slowly</i> . Dur: 21:00. Choreography by Jennifer Predock-Linnel. Premiered November 2005, Univ. New Mexico. Subsequent performances at the John Donald Robb Composers' Symposium, Carlyle Gym, Albuquerque, NM April 3, 2006 and in May 2006 at North 4th Street Theater as part of the Wild Dancing West series: May 18-20, 2007.
2004	Popejoy Installation: Computer generated music influenced by doors opening and closing, heat and light, people moving through a light sculpture designed by John Malolepsy. Temporary sound and light installation as part of the John Donald Robb Composers' Symposium, Popejoy Performing Arts Center, Albuquerque, NM. April 2004.
2004	Toma III: Sound design for virtual patient: Algorithmically generated sound for accident victim in an immersive VR simulation used for medical education. Used as a test for medical education research at the University of New Mexico and University of Hawaii.
2003	6 Minute Tours: Six, one minute pieces for piano. Premiered by Anthony Christodoulou, Oct 11, 2003.
2003	The Labyrinth—solo: Multimedia presentation for solo voice, algorithmically created music, projections. Explores the mythology, both ancient and modern, of the labyrinth. This work was inspired by the version listed below. Premiered October 2004 at the Outpost Performance Space, Albuquerque, NM. Performed by Panaiotis.
2003	Vocalise: solo voice and electronics. Premiered on KUNM's <i>Other Voices, Other Sounds</i> . Albuquerque, NM, February 2003. Panaiotis-voice.
2002	Five Cell Meditations: For chamber ensemble and 20 cell phones. Dur: 15 min. Rollins College, April 2002. Music Appreciation and pick-up band conducted by Panaiotis.
2002	Golden Proportions #3: Trumpet, piano, computer-assisted electronics: Dur: 6:17. Premiered by Chris Dolske, trumpet, Rollins College, April 2002.
2002	Spring has come: on a tune from <i>Piae Cantiones</i> . For SATB. Premiered by The Vocables with Panaiotis conducting. April 2002 Rollins College.

2002	<i>When All Paths are Peace:</i> SSA TBB (with accomp. by piano or orchestra or tape). Dur: 6:17. Premiered by The Vocables with Panaiotis conducting. April 2002 Rollins College. 10th Annual Celebration of International Heritages sponsored by World Trade Center Association of Orlando. June 12. Vocables performance of <i>When All Paths are Peace</i> . Orlando City Hall.
2001	<i>Golden Proportion #2:</i> Violin, piano, trombone, 2 electric basses, percussion. 3-minute work structured on the Golden Ratio and Fibonacci series. Performed by a Music Appreciation class, Panaiotis conducting. Spring 2001.
2000	<i>O'er the hill and o'er the vale:</i> on a tune from <i>PiaeCantiones</i> . For SATB, brass, and percussion. Recorded by Bach Festival Choir of Winter Park, 2002. Premiered by First Congregational Church of Winter Park, 2001.
2000	<i>Golden Proportions #1:</i> Violin, horn, 2 flutes, and cello. 6 minute work structured on the Golden Ratio and Fibonacci series.
1999	<i>Ariel:</i> Piano solo. Also arr. for flute, cello, and piano. Premiered April 2002 using computer generated recording, Rollins College, April 2002.
1999	<i>Ride On:</i> SATB and organ: Anthem for Palm Sunday. Premiered by First Congregational Church of Winter Park, 1999.
1999	<i>Rising Sun:</i> Indian santur, tabla and electronics. Collaboration with Indian santurist Nandkishor Muley. Dur: 10:57. Premiered at Stetson University April 17, 1998.
1999	<i>The Labyrinth–ensemble:</i> Multimedia work with computer graphics and music, a 36 foot labyrinth on canvas through which performers and audience travel, musicians and dancers. Dur: ca. 45 min. Premiered by the Relâche Ensemble, October 1999 at the Atlantic Center for the Arts and Orlando Museum of Art, Florida.
1998	<i>Journey to Avalon:</i> symphonic band. Commissioned by Valencia College, Orlando, Fl. Premiered by Stetson University Symphonic Band, April, 2000.
1997	<i>Birdsong/Beastsong:</i> four songs for high voice: <i>Hawks and Pigeons, No matter how sweet the swan, The Snake, Lounging in the Dahlias</i> . Premiered March 23, 1997 at Valencia College, Orlando FL. Elise Curran-Voice
1997	<i>Psalms 57:</i> for Organ and Brass. Premiered by First Congregational Church of Winter Park, 1997.
1997	<i>Fantasy for Handbells:</i> for carillon ensemble.
1997	<i>Smessy:</i> for electric cello and voice, with interactive electronics. Premiered at Stetson University Digital Art Ensemble concert, November 14, 1997. Panaiotis, voice and computer assisted electronics; Kari Juusela, electric cello.
1996	<i>Continental Drift:</i> 8 short piano pieces. Premiered March 23, 1997 at Valencia College, Orlando FL.

1996	Settings of two excerpts from The Song of Solomon: <i>Arise my love</i> , and <i>Set me as a seal...</i> For SATB choir, unaccompanied (revised from the original 1994 version). Premiered May 29, 1996 by Cary Concert Singers, Cary, NC.
1995	The Traveling Companion: operatic multi-media theater work inspired by Hans Christian Andersen's <i>The Traveling Companion</i> . In collaboration with librettist/actress Honora Fergusson and lyricist/singer Michele Spiro. Work in progress. Parts were performed at the Center for Symbolic Studies, Tillson, NY, September 3, 1995.
1994	Halfway up a Stairway: Voice, metal objects, dancer, lights, and computer generated sound textures. Premiered at Im F&P (Bell), Basel, Switzerland April 19, 1994. Panaiotis voice and electronics, with Heidi Köpfer dance, and Urs Reusser lights.
1994	Music for an Eastern Orthodox Christian Wedding: SSAATTBB choir. Includes Processional and Recessional with text from <i>The Song of Solomon</i> ; 3 hymns with texts in English and Greek; and over 50 choral responses in English, Greek, Armenian, and a Slavic language used in Russian and Serbian Orthodox churches. Premiered by members of the Cary Concert Singers, Raleigh, NC, May 29, 1994. Dur: ca 20 min. of music.
1994	Sonic Textures I: Voice, dancer, and interactive computer generated music. Premiered at Im F&P (Bell), Basel, Switzerland April 19, 1994. Panaiotis voice and electronics, with Heidi Köpfer dance.
1994	Sonic Textures II: Lights, and interactive computer generated music. Premiered at Im F&P (Bell), Basel, Switzerland April 19, 1994. Panaiotis electronics with Urs Reusser, lights.
1994	William Shakespeare, Der Sturm . Basler Marionetten Theater: Basel, Switzerland. Music and sound design.
1992	Stig Larsson, C.E.O. Grutle Theatre: Geneva, Switzerland. Sound design.
1991	Awakening: 22 minute chamber work for soprano, tenor, flute, clarinets, cello, percussion, and piano, with live performance electronics. Original title: Frankie and Eva . Commissioned by the American Dance Festival to collaborate with choreographer Kevin McGee on an original dance work as part of the Young Choreographers and Composers Residency Program, June, 1991.
1991	Branches of Introspection: Composed for <i>Verbum</i> (vol. 1), a CD-ROM music magazine. Completed Feb. 18, 1991. Solo voice.
1991	Lullaby for Katie and Troy: Electronics, revised 2002.
1991	Metempsychosis: Commissioned by the Deep Listening Band. Premiered at the Alternative Museum, New York December 8, 1991. Acoustic instruments and interactive computer controlled electronics. Performed in Tokyo, December 2, 1992.

1991	<i>Not Liz-I-Is</i> : Chamber duet for coloratura and baritone. Several arrangements available: voice/piano; voice with violin, cello, marimba, vibraphone, and piano; and voice with orchestra. Text by Michele Spiro. Premiered in New York, for the New York Singing Teachers Association's annual New Music concert. January 12, 1993. Dur: 10 min.
1990	Stig Larsson, <i>C.E.O.</i> Ensemble International Theatre at CSC Theater: New York, NY. Sound design. November 1990.
1989	<i>Audience Symphony #2</i> : Electronically and spatially redistributed audience. Improvisational work that includes audience participation. Dur: indeterminate
1989	<i>Conversation Piece</i> : Solo voice and electronics. Premiered at the opening of the New Music Newark 1989 festival, Newark, New Jersey (November, 1989). Dur: 10 min.
1987	Arthur Miller, <i>Death of a Salesman</i> . Hans-Otto Theater: Potsdam, Germany. Music and sound design. November 1987.
1987	<i>Ophidian Tales</i> : Performance, music and sound design) Performance-art collaboration with sculptor/writer David Keeval, writer Susan Imhoff, and dancer/choreographer Catherine Bell. Commissioned by Sushi Inc. to open the 5th annual San Diego NeoFest (May, 1987).
1986	Carol Pearson, <i>I Believe In Make Believe</i> . San Marcos Youth Theater: San Marcos, CA. Additional music and music director. June 1986
1986	<i>Primal Myths</i> : Collection of multicultural genesis stories compiled and edited by Rita Grauer. (April, 1986). 25 minute tape with Rita Grauer narrating.
1986	Rita Grauer, <i>Primal Myths</i> . Yellow Brick Road Shows: Los Angeles, CA. Music, music director, and sound design.
1986	<i>The Akeda</i> : One-act opera of two ancient tales of a patriarch's struggle between responsibility to family and demands of gods and men: Abraham/Isaac from the Hebrew <i>Torah</i> and Agamemnon/Iphigenia from Greek mythology. Agamemnon and Abraham played by a bass/baritone and Iphigenia and Isaac played by a female soprano. The Greek armies, Artemis, and Elohim are played by an ensemble of sixteen men and women. Orchestra scored for 2 oboes, English horn, Eb and bass clarinet, trumpet, French horn, percussion, 2 violoncellos, and 2 contrabasses. Produced January, 1986 at the University of California at San Diego. Dur: ca 60 min. Michele Spiro-Isaac/Iphigenia, Phil Larson- Abraham/Agamemnon

1986	<i>The Ballad of Frankie Silver</i> : dance work commissioned by the Lehman Dance Company (1982; revised 1986). Chamber work for mezzo-soprano, guitar, percussion, piano, prepared piano, violin, viola, and contrabass. Dur: 32 min. Premiered in Basel, Switzerland, June 16–20, 1992 by the Tanz Ensemble Cathy Sharp. Additional performances by TECS; Second Recontres Choregraphiques Internationales, Neuchatel, Switzerland Aug. 10, 1994; Kulturwerkstatt Kaserne, Basel, Switzerland, Oct. 18–23, 1994; American Music Festival, Bonn, Germany, Nov. 1995; UGA Arts96 as part of the 1996 Summer Olympics, Athens, GA July 23 and 24, 1996. Michele Spiro-voice.
1986	<i>The Curious Incident of the Dog In the Night-time</i> : Duet for contrabass and flute (commissioned by Bertram and Nancy Turetzky: June, 1986). Text selected by Susan Imhoff from Sir Arthur Conan Doyle’s <i>Sherlock Holmes</i> mysteries. Dur: ca 17 min. Premiere: Houston, Texas, 1986.
1986	<i>Where, Here, There</i> : commissioned by choreographer Catherine Bell and performed at the Sushi Gallery, San Diego. 35 minute tape.
1986	Winter Suite : Solo intermediate piano; five short movements: Winter Pond, Playing In the Snow, Down the Road a Bit, A Round, and Distant Bells.
1985	<i>Martin Arrives</i> : Performance-art piece for narrator, vocalist, electronic tape, and slides (1985, text created in collaboration with Susan Imhoff). Dur: 18 min. Premiered at the Multicultural Arts and Humanities Center, San Diego, California, 1985. Performed again at the Pacific Ring Festival, U.C. San Diego, San Diego, California, 1986. Susan Imhoff and Panaiotis performing.
1985	William Shakespeare, <i>Twelfth Night</i> . UCSD Drama Department. Music.
1984	Amlin Gray, <i>How I Got That Story</i> . San Diego Public Theatre: San Diego, CA. Music and sound design consultant.
1984	Aristophanes, <i>Lysistrata</i> . UCSD. Music and music director.
1984	Arthur Miller, <i>After the Fall</i> . San Diego Public Theatre: San Diego, CA. Sound design.
1984	Bertolt Brecht, <i>Caucasian Chalk Circle</i> . San Diego Public Theatre: San Diego, CA. Music, music director, and the role of The Singer.
1984	Euripides, <i>Trojan Women</i> . San Francisco Repertory Theatre: San Francisco, CA. Music, music director, and sound design.
1984	Jaroslav Hasek, <i>The Good Soldier Svejk</i> (adaptation) UCSD. Music and sound design.
1984	Thomas Otway, <i>Venice Preserved</i> . UCSD. Sound design.
1984	William Shakespeare, <i>Love’s Labors Lost</i> . UCSD. Music, music director, and sound design.
1983	<i>Something Normal for Athena</i> : solo piano.
1983	Anton Chekov, <i>The Three Sisters</i> . UCSD. Sound design.
1983	Antonin Hodek, <i>Happy Birthday Freddie</i> . San Diego Public Theatre: San Diego, CA. Music, music director, and sound design.

1983	Aristophanes, <i>The Birds</i> . Toured in England by the California Theatre Ensemble: San Diego, CA. Music and music director.
1983	Bertolt Brecht, <i>The Exception and the Rule</i> . UCSD. Music, music director, and narrator.
1983	Dylan Thomas, <i>A Child's Christmas in Wales</i> . San Diego Public Theatre: San Diego, CA. Music, music director, and sound design.
1983	Franz Kafka/Steve Pearson, <i>The Trial</i> . UCSD. Music and sound design.
1983	Samuel Beckett, <i>Words and Music</i> . UCSD. Music.
1983	Thornton Wilder, <i>Our Town</i> . UCSD. Incidental music and music director.
1983	Tom Stoppard, <i>Rosencrantz and Guildenstern are Dead</i> . UCSD. Music and sound design.
1983	William Saroyan, <i>Jim Dandy</i> . UCSD. Music and sound design.
1982	<i>Duet (for dancer and vocalist)</i> : Dancer, vocalist and electronic tape. Dur: 10 min.
1982	Homer/Michael Addison, <i>The Odyssey</i> (adaptation). Performed in Yugoslavia and Greece by the California Theatre Ensemble: San Diego, CA. Music, music director, and sound design.
1980	<i>Apartment Piece</i> : Theater piece for 36 actors and musicians (1980). ca 20 min.
1980	<i>Attente...</i> : Solo viola; six short movements.
1980	<i>Audience Symphony</i> : Any number of acoustic instruments. Improvisational work that includes audience participation. Dur: indeterminate

COMPUTER RELATED DEVELOPMENT: HARDWARE AND SOFTWARE DESIGN

- 2010-present Development of Bandojo music-making software and hardware.
- 2010-present Development of Virtual Nephron Simulation for medical education using 3D modeling and animation, and open-source game technology. Multi-platform and multi-application software integration.
- 2002-present Development of algorithmic music processes for Virtual Reality simulation and data perceptualization (University of New Mexico: Telehealth, Los Alamos National Labs, and Defense Threat Reduction Agency)
- 1991-present SoundCycler—Algorithmic music texture generator for creation of studio and live music. Used to create sound track for *The Tempest*, *The Traveling Companion*, several improvisational dance works.
- 1991–96 MAX Object Code—Object code used to increase the functionality of Opcode/IRCAM’s MAX music software. Nine objects are published with the commercial release versions 3.0 and 3.5.
- 1994 PanPaw—Three dimensional continuous motion controller. US patent secured February, 1994. Co-designer: David Ward.
- 1987–93 Expanded Instrument System—Hardware and software development of a multi-performer control system for interactive live performance of electronically

- processed, acoustically produced music. Used by Pauline Oliveros and the Deep Listening Band throughout Europe, Japan, Canary Islands, and USA.
- 1993 PADS16—Analog to digital converter for musical device serial input. Co-designer: David Ward.
- 1993 PDSA12—Computer interface controller for the Lexicon PCM42 Digital Delay Processor. Co-designer: David Ward.
- 1991–93 Polysonic Reson8—Contributed to and directed software development for real-time digital signal processing using continuous change, sample-rate conversion algorithms. Developed for Pauline Oliveros at the Center for New Music Art and Technology, U.C. Berkeley, and PanDigital Corp.
- 1988 TimeCalc—A calculator that makes time conversions, and calculations with time and decimal arguments.
- 1988 Portrait—A program commissioned by Pauline Oliveros that creates a music score according to various pseudo-random algorithms that are weighted by a person’s birth date, birth place, and musical instrument.
- 1983-86 Computer music—C MUSIC environment.
- 1986 Program to teach tempo and rhythm modulations as designed by Professor Edwin Harkins.
- 1986 Program to generate contrabass etudes according to an algorithm specified by Professor Bertram Turetzky.