Curriculum Vitae

I. Todd Winkler, Professor   Updated February 1, 2023
        Co-Director, MEME@Brown (Multimedia and Electronic Music Experiments)
        email: Todd_Winkler@Brown.Edu

II. Home Address
        4106 Westfield Drive
        Durham, NC 27705

III. Education

Stanford University, Doctorate of Musical Arts (DMA) in Computer Music Composition,
  research fellow at the Center for Computer Research in Acoustics and Music (CCRMA),
  computer music with John Chowning and Max Mathews, 1988-92.

Dissertation Topic: Interactive computer music, generative algorithms and programming techniques.

Institute de Recherche et Coordination Acoustique/Musique (IRCAM),
  computer music composition, programming, and dissertation research, 1990-91.

LA Philharmonic Pierre Boulez Fellowship, composition with Pierre Boulez, spring 1984.

California Institute of the Arts, Master of Fine Arts (MFA) in Composition, composition with
  Morton Subotnick, Mel Powell and Earle Brown; conducting with Stephen Mosko, 1982-84.

University of California at Santa Cruz, Bachelor of Fine Arts (BFA) in Piano and Composition,
  composition with David Cope, electronic music with Gordon Mumma, 1976-80.

Fontainebleau School of Music, France, composition with Henri Dutilleux, summer 1979.

IV. Professional Appointments

Duke University, Emergence Lab, Computational Media Arts and Cultures, Visiting Scholar 2019-2020

Brown University, Assistant Professor 1993-1999, Associate Professor, 1999-2011, Professor 2012-Present
  Chair, Department of Music, 2002-2005, 2018-2019
  Co-Director, MEME (Multimedia and Electronic Music Experiments), 2004-present
  Director of Graduate Studies, 1999-2005, 2007-2010, 2012-13, 2014-2018
  Director, MacColl Studio for Electronic Music, 1996-2004

Trinity College Dublin, Visiting Fulbright Scholar, 1998

Oberlin College Conservatory of Music, Assistant Professor of Music Technology, 1992-93

San Francisco State University, Visiting Faculty, composition and theory, 1991-92

California Institute of the Arts, Faculty in Theory and Composition, 1984-88

V.
A. Completed Research and Scholarship

Book
Composing Interactive Music. Cambridge, Massachusetts: The MIT Press, 1998.

Papers
 "The Mirrored Body: Sensation, Agency and Expression in a Video Processed World." In *Proceedings of MOCO: 6th International Conference on Movement and Computing*. Tempe, Arizona. ACM, New York, NY: 2019.

"The Processed Video Body as a Supernatural Being." In *Proceedings from the Connecticut College Biennial Symposium on Arts and Technology*. New London, CT: Connecticut College, 2016.

"Flying, Spinning and Breaking Apart: Live Video Processing and the Altered Self." In *Proceedings for the International Symposium on Electronic Art (ISEA)*. Istanbul, Turkey: 2011.

"Video Mirrors and Mirror Neurons: A Look at Empathy in Participatory Immersive Environments." In *Proceedings for the International Symposium on Electronic Art (ISEA)*. Belfast, N. Ireland: 2009.

"Celeritas – A Wearable Sensor System for Interactive Digital Dance Theatre." B. O'Flynn, F. Torre, M. Fernstrom, T. Winkler, A. Lynch, J. Barton, P. Angove, S. C. O'Mathuna." In *Proceedings of the 4th International Workshop on Wearable and Implantable Body Sensor Networks*. Aachen, Germany: 2007.

"Movement-Activated Sound and Video Processing for Multimedia Dance/Theatre." In *Proceedings for the 2003 International Computer Music Conference*. San Francisco, CA: Computer Music Association, 2003.

"Live Video and Sound Processing for Dance." In *Proceedings from the Eighth Biennial Connecticut   College Symposium on Arts and Technology*. New London, CT: Connecticut College, 2003.

"Participation and Response in Movement-Sensing Installations." In *Proceedings for the 2000 International Computer Music Conference*. San Francisco, CA: Computer Music Association, 2000.

"Motion-Sensing Music: Artistic and Technical Challenges in Two Works for Dance." In *Proceedings for the 1998 International Computer Music Conference*. San Francisco, CA: Computer Music Association, 1998.

"Creating Interactive Dance with the Very Nervous System." In *Proceedings from the Fifth Biennial Connecticut College Symposium on Arts and Technology*. New London, CT: Connecticut College, 1997.

"Making Motion Musical: Gesture Mapping Strategies for Interactive Computer Music." In *Proceedings for the 1995 International Computer Music Conference*. San Francisco, CA: Computer Music Association, 1995.

"Composing Interactive Music: A Pedagogical Approach to Teaching Interactive Composition."
In *Proceedings for the 1995 International Computer Music Conference*. San Francisco, CA: Computer Music Association, 1995.

"Strategies for Interaction: Virtual Music, Performance, and Multimedia." In *Proceedings from the Fifth Biennial Connecticut College Symposium on Arts and Technology*. New London, CT: Connecticut College, 1995.

"FollowPlay: A MAX Program for Interactive Composition." In *Proceedings for the 1992 International Computer Music Conference*. San Francisco, CA: Computer Music Association, 1992.

"Interactive Signal Processing for Acoustic Instruments." In *Proceedings for the 1991 International Computer Music Conference*. San Francisco, CA: Computer Music Association, 1991.

Music Criticism, Reviews Published in Computer Music Journal, Cambridge, MA: The MIT Press
"Concerts from the 1993 International Computer Music Conference." Computer Music Journal, 15(4), 1993.

"CCRMA Summer Computer Music Festival. Computer Music Journal, 15(3), 1993.

"Rosenblum, LeBaron, Carl, Bevelander, Tsontakis: American Composers Alliance Turns 50."
        Computer Music Journal, 4(4), 1992.

"Vaughn, Williams, MacDonald, Wishart, Dearden,: Overhear." Computer Music Journal, 14(2), 1992.

Invited Lectures, Panels and Papers Read (Selective List)
Computational Media, Arts and Culture Lecture Series. Duke University, Durham, NC.
        "Musical Ways of Thinking for Video Design and Special Effects for Live Performance." March 3, 2020.

Guest artist for the MFA Program in Embodied Interdisciplinary Praxis at Duke University.
        Lectures on Interactive Video for Dance, Duke University, Durham, NC. February 18, 21, 28, 2020.

6th International Conference on Movement and Computing (MOCO). Doctoral Consortium Respondent.
        Arizona State University. October 11, 2019

Artists and Scientists as Partners, Brown University. Visiting artist talk. October 12, 2017

Conference on Computing in the Arts: Music, Art and Computation. Wake Forest University,
        Winston-Salem, NC. Strategies for Teaching Art and Computation. May 22-23, 2014

Shanghai Theatre Academy Winter Institute, Shanghai, China.
        "Multimedia Theatre, Technology, and Interactive Performance." January 14, 15, 18, 2013.

International Symposium on Electronic Art 2011, Istanbul, Turkey.
        "Flying, Spinning and Breaking Apart: Live Video Processing and the Altered Self." September 9, 2011.

Biennial Connecticut College Symposium on Arts and Technology, New London, CT.
        "Mirror Neurons and Empathetic Response in *Entanglement Witness*." March 4, 2010.

International Symposium on Electronic Art 2009, Belfast, N. Ireland.
        "Video Mirrors and Mirror Neurons: A Look at Empathy in Participatory Immersive Environments." August 28,
        2009.

University of Illinois Technology Summit, University of Illinois, Champagne-Urbana, IL. Visiting artist
        talk and invited dance workshop. April 14-15, 2008.

Connecticut College New Media Colloquia Series, New London CT. "Where the Physical Meets the
        Virtual: Synesthetic Explorations in Multimedia Dance/Theatre." April 5, 2007.

Limerick Institute of Technology, Limerick, Ireland. Visiting artist lecture. November 16, 2006.

University of Limerick, Limerick, Ireland. Visiting artist lecture. March 31, 2006.

Yale University, New Haven, CT. Visiting artist lecture. March 3, 2004.

Columbia University, New York City. Computer Music Lecture Series, February 24, 2004.

Dance Theatre Workshop, New York City. Symposium on Dance and Technology. October 26, 2004.

The Kitchen "Interactive Legends" Lecture Series. New York City.
    "Interactivity and Time." October 30, 2002.

The Junction UK and Sonic Arts Network, Cambridge, England.
    Lecture on interactive music and multimedia. October 21, 2002.

The Colchester Arts Center, Colchester, England.
    Workshop for dance and theatre professionals. October 15, 2002.

Third Annual New Instruments for Musical Expression (NIME) Symposium. Dublin, Ireland.
    "Fusing Movement, Sound, and Video in Falling Up, an Interactive Dance/Theatre Production."
    May 25, 2002.

School of the Museum of Fine Arts, Tufts University, Boston, MA. Visiting artist lecture. April 24, 2002

Yale University Seminar on Interactive Technology. Visiting artist lecture. March 28, 2002.

Hartt School of Music Computer Music Colloquium. Hartford, CT. "Physical Digital: Using Movement to
    Create Multimedia Dance Performances and Installations." February 13, 2002

Ohio State Think Tank On New Performance Tools: Technologies/Interactive Systems
    Sponsored by Department of Dance. January 25-27, 2002.

California Institute of the Arts, Valencia, CA.
    Visiting artist lecture. "Real-time Interaction Performance." January 13, 2002.

The Archeology of Multi-Media Series, Brown University, Providence, RI.
    "Artistic Applications of Movement Sensing Systems in Computer Music, Dance, and Art
    Installations." December 10, 2000.

International Symposium on Electronic Art 2000, Paris, France.
    "Audience Participation and Response in Movement-Sensing Installations." December 9, 2000.

Trinity College Graduate Thesis Show in Multimedia.
    Master class and art show judge. September 10, 2000.

International Computer Music Conference, Berlin, Germany.
    "Participation and Response in Movement-Sensing Installations." August 30, 2000.

Guest composer. Connecticut College Department of Music, New London, CT.
    Lecture on interactive music. May 4, 2000.

Center for Art and Technology Colloquium Series. Connecticut College, New London, CT.
    Visiting artist lecture on interactive art. May 4, 2000.

Symposium on Electronic Dance. Painted Bride, Philadelphia, PA. March 11, 2000.
    "Interactive Dance using the Very Nervous System."

Trinity College Music Technology and Multimedia Graduate Programs.
    Master classes in interactive music and installation art. January 17 - 23, 2000.

Boston Ballet Summer Institute, invited presentation and demonstration with Yakov Sharir. July 21, 1999.

Trinity College Music Technology and Multimedia Graduate Programs.
    Master classes in interactive music and installation art. June 6 - 11, 1999.

Trinity College Music Technology Lecture Series, Dublin, Ireland.
        Visiting artist lecture." December 3, 1998.

University of Ireland Computer Science Lecture Series, Limerick, Ireland..
        "Art and Interaction." November 21, 1998.

1998 International Computer Music Conference, Ann Arbor, MI.
        "Motion-Sensing Music: Artistic and Technical Challenges in Two Works for Dance."

International Symposium on Electronic Art (ISEA), Liverpool, England.
        'Mapping Movement to Sound: Recent Sound Installation and Dance Projects using Movement
        Sensing Systems.' September 17, 1998.

Yale University, New Haven, CT. Guest composer. May 15, 1998.

Rhode Island College. Providence, RI. Lecture/demonstration on techniques of interactive dance used in
        "Songs for the Body Electric." April 12, 1998.

University of Iowa. Iowa City, IA. Featured speaker for New Media Symposium, classes in Computer
        Music Composition and Graduate Seminar in Multimedia. February 5 - 7, 1998.

Intermedia Arts Gallery, sponsored by University of Minnesota. Minneapolis, MN.
        Lecture/demonstration on techniques for interactive dance. December 12, 1997.

New Media Centers Annual Conference, California Polytechnic Institute, Pomona, CA.
        "Interactive Music and Movement." Lecture/demo. June 8, 1997.

Northeastern University Computer Music Series, Boston, MA.
        Invited lecture on interactive music and dance. May 15, 1997.

Sixth Biennial Connecticut College Symposium on Arts and Technology, New London, CT.
        "Creating Interactive Dance with the Very Nervous System." February 12, 1997.

The College Convocation Lecture Series, Brown University, Providence, RI.
        "Making Electricity Sing: A Personal Account of the Evolution and Impact of Music Technology"
        October 3, 1996

New Media Centers Annual Conference, University of Michigan, Ann Arbor, MI.
        "Strategies for Interactive Performance." June 8, 1996.

1995 International Computer Music Conference, Banff, Canada. "Making Motion Musical: Gesture
        Mapping Strategies for Interactive Computer Music." "Composing Interactive Music: A
        Pedagogical Approach to Teaching Interactive Composition." October 4, 1995

Brandeis University Composer Colloquium Series, Waltham, MA.
        Invited lecture on computer music. April 12, 1995

Fifth Biennial Connecticut College Symposium on Arts and Technology, New London, CT.
        "Strategies for Interaction: Virtual Music, Performance, and Multimedia." February 14, 1995.

1994 Acoustics Society of America National Conference. Austin, TX.
        Invited lecture for Special Session on Computer Music. "Technical and Aesthetic Considerations in Interactive
        Computer Music Systems." December 1, 1994

1994 Society for Electroacoustic Music in the United States (SEAMUS) National Conference, Middlebury, VT.
        "Interactive Multimedia using Max." March 13, 1994

1992 International Computer Music Conference, San Jose, CA .
"FollowPlay: A Max Program for Interactive Composition." September 28, 1992.

International Computer Music Conference, Montreal.
"The Aesthetic Implications of Interactive Composition." Panel organizer. September, 1991.

Yale University. New Haven, CT. Invited lecture on computer music. April, 1991

Dartmouth College. Dartmouth, NH. Invited lecture on computer music. February, 1991

1991 International Computer Music Conference, Montreal.
"Interactive Signal Processing for Acoustic Instruments." October 12, 1991
1989 College Music Society National Conference, St. Louis, MO.
"Music for Instrument and Tape: Strategies for Performance and Composition." April 5, 1989

1988 Society of Composers National Conference, University of Kansas, MO.
"Appropriate Tuning Systems for Digital Instruments." March 30, 1988

B. Creative Work

Recordings
Apparitions for Percussion. Compositions for solo percussion. Drummelody with J.B. Smith, percussion.
Whole-Sum Records. January, 1999.

1998 International Computer Music Conference CD-ROM.
Video excerpts from two dance works: Dark Around the Edges and Songs for the Body Electric.
San Francisco: Computer Music Association.

Shadows of Ancient Dreams. Compositions for clarinet and electronics. Snake Charmer with Gerry Errante, clarinet.
Capstone Records. February, 1997.

Highlights from the 1995 International Clarinet Festival. Snake Charmer with Gerry Errante, clarinet.
International Clarinet Association.

Interactive Performance Systems. Cambridge: MIT Press. Software and music excerpts. 1993

1989 International Computer Music Conference CD. Three Oboes with Bob Hubbard, oboe.
Computer Music Association.

List of Concert Works, Video Design and Interactive Installations
In Our Veins. Commission for interactive video design. An evening-length multimedia production for jazz band,
tap dancer and live video processing, in collaboration with composer and drummer Allison Miller. '20
Good Grief. Commission for interactive sounds and video design. '18
An evening-length Dance/Theatre production in collaboration with Everett Company.
Brown University, Providence, RI.
Love Song to the Sun. Commission for interactive video design and computer animation for an electric
violin concerto, in collaboration with Tracy Silverman for his violin concerto. '17
Commissioning consortium: Anchorage Symphony Orchestra, Rogue Valley Symphony,

Vanderbilt University, Brown University

1,000 Sunsets. Interactive single-channel audio/video installation. '15
    The Bell Gallery Triennial Faculty Art Exhibition. Brown University, Providence, RI.

Time's Up: Love, Friendship, and Transformation Across the Fourth Dimension. '15
    Live video processing, projection design, and original music for an evening-length multimedia theatre production, in
    collaboration with writer and director Kym Moore.
    Granoff Center for the Arts, Brown University, Providence, RI.

Shimmer. Single channel interactive video installation. '14
    Providence Children's Film Festival, RISD Museum, Providence, RI

Strange Resonance. CD of electronic ambient music. '12

Things That Catch On Fire. Interactive trio for electronic violin, piano and electronic drum set. '12
    For the California EAR Unit.

Glint (Gallery Version). Three projectors, surround sound, live video processing. '10
    The Bell Gallery Triennial Faculty Art Exhibition. Brown University, Providence, RI.

Glint (Concert Version). Six-projector immersive environment, with surround sound. '09
    Premiered at Pixilerations, part of the Providence First Works Festival, Providence, RI.

Magic Mirrors II – A participatory video installation '08
    Commissioned by First Night Worcester, Worcester, MA.

Entanglement Witness, A multi-screen, surround-sound, participatory installation. '08
    A collaboration with Cindy Cumming. Commissioned by the Irish Arts Council and the Kilkenney Arts Festival.

Falling Up - motion-sensing dance with interactive video processing and music. '03
    A collaboration with Cindy Cummings. Commissioned by the Dublin Fringe Festival.

Responsive Dance/Theatre Improvisation System I. Multimedia performance system with soloist. '02
    A collaboration with Francesca Penzani. Funded by Center for Experimental Art, Information and
    Technology at California Institute of the Arts.

Magic Mirrors - a participatory video installation. '01
    Recipient of a First Night International Award. Commissioned by First Night Providence.

Dancing the Music - movement-sensing music and video installation for children. '00
    Supported by the Rhode Island Arts Council in collaboration with Hasbro Children's Hospital.

Maybe...1910 - interactive video and sound installation '00.
    Exploratory installation where participants control multi-channel video and audio playback within a specially
    designed room. Funded by a grant from the Rhode Island State Council of the Arts,
    Rhode Island 2000, and First Night, Providence. Recipient of a First Night International Award.

Hitch's Bitches - motion-sensing dance with interactive video and music. '00
    A collaboration with Cindy Cummings. Funded by the Crash Ensemble and Irish Arts Council.

Songs for the Body Electric - interactive dance, computer music and video projection '97
    A collaboration with choreographer Gerry Girouard and lighting designer Steven Rueff.
    Commissioned by the American Composers Forum

I Remember One Time - computer-generated tape '97

Dark Around the Edges - interactive dance and computer music '97
    A collaboration with choreographer Walter Ferrero.
    Funded by a grant from the Rhode Island State Council of the Arts.

I See You Moving - interactive music and video installation for children with limited mobility '97
    A collaboration with choreographer Walter Ferrero

Light Around the Edges - interactive music and video installation '97
    Interactive motion-sensing music and real-time video processing

Ax Handle - Zeta electric violin and computer '96
    Written for Charles Sherba.

Entangled in Vines - cello, percussion, electronic percussion, two keyboards '96
    Commissioned by Arizona State University Center for Art and Technology. Duration: 18'

Things that Don't Belong in Houses - electric double bass, electric percussion, and computer '94
    Written for Robert Black and Amy Knoles.

FollowPlay - a responsive system for improvisation '93

Drummelody - MIDI trap-set and computer '92. Written for Amy Knoles.

Snake Charmer - clarinet and computer, Wavestation version '95, K2000 version '94, Sy77 version '91

Funded by a composers grant from the National Endowment for the Arts.
Songs in Sand - computer generated tape '90
Spontaneous Combustion - flute, clarinet, violin, cello, two percussion and piano '90
Three Oboes - oboe and computer '89
Looking into a Face (electronic version of Songs of Intimacy)- soprano and tape '88
Stone and Elm - orchestra, commissioned by the Brentwood Symphony Orchestra '88
Three Tuning Etudes - tape, NEH Grant for Music and Technology '87
Limited Options - tape for dance, commissioned by choreographer Regina Fletcher '87
Songs of Intimacy - song cycle for mezzo-soprano and chamber ensemble '86
Cascade: Concerto for Harp and Tape - amplified harp with computer-generated tape '86
Our Nature - computer generated tape for dance, commissioned by Lynn Hackleman '85
Semisoun - live electronics for computer, violin, percussion and sitar '83
MMMM - chamber orchestra, chorus and soprano '82
String Quartet No. 1 - winner of a 1982 Young Musician's Foundation Victor Herbert/ASCAP Award
        to Young Composers '80
Mediatized Boy - tape, Moog synthesizer and electronic voice processing '80

Film and Video Scores
Fun With Nuns - film short '88
Old Town Pasadena - documentary '87
Dealing With It - computer animation '87
Carousel - public service announcement for National Council on Alcoholism '86
Character Loop - animated short '86

Multimedia Theatrical Performances and Interactive Installation Exhibitions
4-8-22 Rivers In Our Veins, with Allison Miller and Boom, Tic, Boom. Brown University Concert and Residency.
1-20-20 to 1-30-20 Tour. Rivers In Our Veins, with Allison Miller and Boom, Tic, Boom.
        1-20-22 Birdland Jazz Club rehearsals and open critiques.
        1-23-19 Lake Placid Center for the Arts, Lake Placid, NY.
        1-24-19 Bucknell University Weiss Center for the Performing Arts, Lewisburg, PA.
        1-25-19 Ars Nova Workshop, Philadephia, PA
        1-27-19 Light up the Queen, Wilmington, DE
        1-29-19 University of Richmond Modlin Center for the Arts, Richmond, VA
        1-30-19 Georgetown Day School, Washington D.C.
January 1-3, 8-10, 15-17, 22, 2019 Carriage House Theatre, Providence RI.
        Good Grief, in collaboration with Everett Company.
12-6-18 Carriage House Theatre, Providence RI. Good Grief, in collaboration with Everett Company.
         Special performance for therapists with Richard Schwartz.
9-27-18 to 9-30-18, Granoff Center for the Arts, Brown University, Providence, RI. Good Grief,
        in collaboration with Everett Company.
3-3-18 Sales Hall, Brown University, Providence, RI. Love Song to the Sun, with Tracy Silverman and
        the Brown Symphony Orchestra.
1-19-18 to 1-21-18 Tour. Love Song to the Sun, with Tracy Silverman and the Rogue Valley Symphony.
        1-19-18 Music Recital Hall, Southern Oregon University, Ashland, OR.
        1-20-18 Craterian Theatre, Medford, OR.
        1-21-18 Performing Arts Center, Grants Pass, OR.
10-5-17 Oz Center for the Arts, Nashville, TN. Love Song to the Sun, with Tracy Silverman and
        the Vanderbilt Symphony Orchestra.
2-25-16 Atwood Concert Hall, Anchorage, AK. Love Song to the Sun with Tracy Silverman and
        the Anchorage Symphony Orchestra.
11-3-15 to 12-30-15 The Bell Gallery Triennial Faculty Art Exhibition. Brown University, Providence, RI.
        1,000 Sunsets, interactive audiovisual installation.
4-30-15 to 5-3-15 Granoff Center for the Arts, Brown University, Providence, RI.
        Time's Up: Love, Friendship, and Transformation Across the Fourth Dimension.
2-13-14 Providence Children's Film Festival, RISD Museum, Providence, RI. *Shimmer,* interactive

audiovisual installation.
8-7-13 to 8-17-13 International Computer Music Conference, Perth Institute of Contemporary Arts. Perth,
    Australia. *Glint*, interactive audiovisual installation.
11-3-10 to 2-10-11 The Bell Gallery Triennial Faculty Art Exhibition. Brown University, Providence, RI.
    Glint interactive audiovisual installation premiere.
3-4-10 to 3-6-10 Biennial Connecticut College Symposium on Arts and Technology, New London, CT.
    Entanglement Witness, interactive audiovisual installation.
9-25-09, 9-26-09. Pixilerations Festival, Providence, RI. *Glint* (concert version), interactive audiovisual
    Installation for a concert hall.
10-2-08 to 10-12-08 Pixilerations Festival. Providence, RI. *Entanglement Witness*, interactive
    audiovisual installation.
7-7-08 to 7-17-08 Kilkenney Arts Festival, Kiklkenney, Ireland. *Entanglement Witness*, interactive
    audiovisual installation.
7-5-03 Scarborough Electroacoustic Festival. Hull University. Scarborough, England.
    Falling Up, with Cindy Cumming.
6-27-03, 6-28-03 Cork International Arts Festival. Cork, Ireland.
    Hitch's Bitches and Falling Up, with Cindy Cummings.
4-4-03 Video, Technology and Performance Festival. Brown University, Providence, RI.
    Falling Up, with Cindy Cummings.
12-31-02 First Night Worcester. DCU Center, Worcester, MA.
    Magic Mirror II, premiere. A participatory video installation. First Night Commission.
10-20-02 Cambridge Drama Centre. Cambridge, England.
    Hitch's Bitches and Falling Up, with Cindy Cummings.
10-17-02 Colchester Arts Centre. Colchester, England.
    Hitch's Bitches and Falling Up, with Cindy Cummings.
5-25-02 New Instruments for Music Expression Symposium at Media Lab Europe. Dublin, Ireland.
    Excerpts from Falling Up, with Cindy Cummings.
3-14-02 Yale University Festival. Interfaced Culture: Global and Interactive and/or Interdisciplinary
    Performance. New Haven, CT. Hitch's Bitches, with Cindy Cummings.
1-12-02 Festival of Electronic Music and Media at The Center for Experiments in Art, Information and Technology
    (CEAIT). California Institute of the Arts, Valencia, CA. Responsive Dance/Theatre Improvisation System I., with
    Francesca Penzani.
9-25-01, 9-26-01 Dublin Fringe Festival. Project Theatre, Dublin, Ireland.
    Falling Up, premiere, with Cindy Cummings. An evening-length dance/theatre work.
3-2-01, 3-3-01 Project Threatre Winter Season. Project Theatre, Dublin, Ireland.
    Hitch's Bitches, new version; excerpts from Falling Up, with Cindy Cummings.
3-19-00 Dance and Technology Conference. Painted Bride, Philadephia, PA.
    Improvisation and Excerpts from Hitch's Bitches, with Cindy Cummings.
12-30-99 to 1-1-00 First Night. Rhode Island School of Design, Providence, RI.
    Maybe...1910. Interactive audiovisual installation. Rhode Island 2000 Commission.
2-14-99, 2-15-99. International Dance and Technology Conference. Tempe, AZ.
    Songs for the Body Electric.
12-6-98 The Project Theatre, Dublin, Ireland. Hitch's Bitches, in progress. Interactive music and video   projections with
    choreographer Cindy Cummings. Funded by the Crash Ensemble.
10-1-98 to 10-8-98 1998 International Computer Music Conference. Ann Arbor, MI.
    Maybe...1910 installation, work-in-progress.
4-5-98 to 4-8-98 Carriage House Theatre Spring Dance Series. Providence, RI.
    Four evening performances of Songs for the Body Electric.
12-11-97 to 12-16-97 Intermedia Arts Contemporary Art Gallery. Minneapolis, MN.
    Songs for the Body Electric, premiere. Five evening performances with choreographer Gerry   Girouard and
lighting designer Steven Rueff. Commissioned by the American Composers Forum.
4-18-97, 4-19-97 Ashamu Dance Theatre, Providence, RI. Dark Around the Edges, premiere.
    Interactive music for motion-sensing dance.
4-5-97 to 4-7-97 Kansas City Performing Arts Center. SEAMUS Conference. Kansas City, KA.
    Light Around the Edges, premiere. An interactive audiovisual installation.
11-25-87 College of the Canyons, Valencia, CA. Limited Options, premiere. Computer-generated

tape for dance, commissioned by choreographer Regina Fletcher.

5-4-85   California Institute of the Arts (CalArts), Valencia, CA. Our Nature, premiere.
Computer-generated tape for dance, commissioned by choreographer Lynn Hackleman.

Music Concerts (Selective List)

10-5-12 Brown University Granoff Center for the Arts. Strange Resonance. Providence, RI.

5-2-12   Brown University Granoff Center for the Arts. Things That Catch On Fire. Providence, RI.
Premiere, California E.A.R. Unit.

4-15-00 Brown University New Music Concert. Snake Charmer. Providence, RI.

3-25-00 Fast/Forward Series at Virginia Museum of Fine Arts. Richmond, VA.
Things that Don't Belong in Houses.

2-25-00 to 3-2-00 Basso Bongo Tour. Things that Don't Belong in Houses.
Espace Musique Series, National Gallery of Canada, Ottawa, Canada (3-2-00); University of Pittsburgh Music on the Edge Series. Pittsburgh, PA (2-29-00); Oberlin College Conservatory of Music. Oberlin, OH (2-27-00); Schambach Center for the Performing Arts. Hamilton College, Clinton, NY (2-25-00).

12-12-99 to 12-14-99 Basso Bongo Tour. Things that Don't Belong in Houses (TDBH).
IBM Performance Series, New York, NY (12-14-99); New York University, New York, NY   (12-13-99); Real
Art Ways Performance Series, Hartford, CT (12-12-99).

7-6-99   Clark Art Institute Performance Series. Williamstown, MA. Ax Handles.

4-18-99 Arizona State University. Tempe, AZ. Stomping the Ground.

3-1-99 to 3-6-99 J. B. Smith Southwest Tour. Drummelody.
Texas Tech, West Texas, TX (3-1-99); Texas A and M University Bryan, TX (3-2-99);
University of Oklahoma, OK (3-6-99).

3-23-98 University of Maine. Orono, MA. Snake Charmer.

2-2-98 to 4-12-98 J. B. Smith Tour, multiple locations. Drummelody(DM).
Twenty-two concerts throughout the Southwest and Midwest USA.

3-17-98 Rio Honda College Music and Performance Series. Rio Honda, CA (TDBH).

2-14-98 Arizona State University Institute for Studies in the Arts. Tempe, AZ (TDBH).

1-24-98 The Japan Clarinet Society. Tokyo, Japan. Snake Charmer.

1-22-98 Osaka University of Arts. Osaka, Japan. Snake Charmer.

12-8-97 The Pittsburgh New Music Ensemble. Pittsburgh, PA. Snake Charmer (SC).

11-4-97 University of Massachusetts at Amherst Electronic Music Concert. Amherst, MA.
I Remember One Time, for tape, premiere.

10-10-97 The Australian National University Institute of the Arts. Canberra School of Music (SC).

9-24-97 QUT Academy of Arts. Kelvin Grove, Australia (SC).

9-18-97 Pacific Rim Composer's Conference. Central Queensland, Australia (SC).

5-31-97 RadioKoncerter pa Louisiana. Louisiana, Denmark (DM). Concert and radio broadcast.

2-27-97 Connecticut College Symposium on Art and Technology. New London, CT.
Ax Handle (AH).

12-6, 12-7, 12-8 Generic Theater, Norfolk, VA (SC).

11-10-96 Brown University Festival of American Music, Providence, RI.
Ax Handle, premiere. Charles Sherba, violin.

Gerry Errante Southwest Tour, 10-30-96 to 11-7-96 (SC):
Baylor University, Waco, TX (11-7-96); Texas Christian University, Fort Worth, TX (11-6-96);
Sam Houston State University, Hunstville, TX (11-5-96); Stephen F. Austin Department of Music. Nacogdoches,
TX (11-4-96); Northwestern State University, Natchitoches, LA (11-1-96);
Northeast Louisiana University School of Music, LA (10-30-96).

10-10-96 College of Charleston School of the Arts, Charleston, VI (SC).

9-26-96 University of Arizona, Tempe, Arizona (DM).

4-27-96 University of Arizona Center for Art and Technology. Tempe, AZ
Two evening concerts of music by Todd Winkler. Commission for the New Music Ensemble.   Entangled in
Vines, premiere, along with Snake Charmer, and Stomping the Ground.

3-9-96   Pong Festival III, Brown University Festival of Electronic Arts. Providence, RI (SC).

2-17-96 Portland State University Concert Series, Portland, OR (DM).

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9-29-95 New Mexico State University, Las Cruces, NM (SC).
9-28-95 University of Texas at El Paso, El Paso, TX (SC).
9-27-95 University of Texas at Austin, Austin, TX (SC).
Gerry Errante Australian Tour, 7-23-95 to 8-11-95 (SC)
         Queensland Conservatory Mackay Campus, Hopkins Theatre; Queensland, Australia (8-13-95);
         Wildest Front Ear Festival, Queensland Conservatory of Music; Queensland, Australia (8-11-95).
         The Australian Institute of Music (8-8-95); The Sydney Conservatorium of Music, Sydney, Australia (8-4-95); The
         Queen Victoria Museum and Art Gallery for the Performing Arts (8-1-95); University of Melbourne, Melbourne,
         Australia (7-31-95); University of Adelaide Concert Series (7-28-95); Canberra School of Music, The Australian
         National Institute of the Arts(7-23-95).
7-15-95 International Clarinet Association Festival, Tucson, AZ (SC).
4-27-95 Arizona State University New Music Ensemble Concert Tempe, AZ (SC).
4-13-95 Pong Festival II, Brown University Festival of Electronic Arts. Providence, RI (TDBH).
4-12-95 Brandeis University Professional Concert Series. Waltham, MA (TDBH).
3-28-95 Norfolk State University Department of Music. Norfolk, VA (SC).
3-3-95   Fifth Biennial Symposium on Arts and Technology. Connecticut College, New London.
2-19-95 Kansas State University Guest Artist Series, KA (SC).
11-11-94 Magyar Radio, Elektorakusztikus Zenel Fesztivalia, Budapest, Hungary (SC).
         Hungarian National Radio Electronic Music Festival) Performance and live broadcast.
10-24-94 Florida State University School of Music, Florida (SC).
10-13-94 Bowling Green State University New Music and Art Festival. Bowling Green, OH. (SC).
Amy Knoles Midwest Tour, 9-27-94 to 10-2-94 (DM)
         Walker's Point Center for the Arts, Milwaukee, WI (10-2-94); NAME Gallery, Chicago, IL
         (10-1-94) University of Wisconsin-Stevensens Point (9-28-94); Alvaeno College, Milwaukee, WI (9-27-94).
9-11-94 Cabrillo College Distinguished Artist Series. Cabrillo, CA (DM).
9-3-94   New Music Theatre Percussion Currents Festival, San Francisco, CA (DM).
4-4-94   Pong Festival I, Brown University Festival of Electronic Arts. Providence, RI.
         Three Oboes (TO).
1-21-94 Music at Lehigh, Lehigh University (DM).
Basso Bongo Baltic Tour, 11-19-93 to 11-21-93 (TDBH):
         Rahvusvaheline uue Muuska Festival, Tallinn, Estonia (11-21-93); GAIDA 3rd Baltic Music Festival, Vilnius,
         Lithuania (11-20-93); Latvijas Filharmonija, Riga, Latvia (11-19-93).
4-1-93   SEAMUS National Conference, Austin, TX (SC).
3-22-93 Monday Evening Concert Series, Los Angeles, CA.
         Things that Don't Belong in Houses (version 1), premiere.
11-11-92 Oberlin College Conservatory Faculty Concert Series, Oberlin, OH (SC).
10-15-92 International Computer Music Conference, San Jose, CA (SC).
9-12-92 New Langston Arts, San Francisco, CA (DM).
9-10-92 Cabrillo College Distinguished Artists Series, Cabrillo, CA (DM).
6-16-92 CCRMA Computer Music Festival, Stanford University, Palo Alto, CA (DM).
2-21-92 CCRMA Computer Music Series, Palo Alto, CA.
         FollowPlay, premiere.
11-6-91 San Jose State University, San Jose, CA (SC).
4-27-90 CCRMA Computer Music Series, Palo Alto, CA (TO).
9-11-90 International Computer Music Conference, Glasgow, Scotland. Cascade (Cas).
8-11-90 Wellesley Composers Conference, Wellesley, MA. Spontaneous Combustion (Spon).
11-2-89 New Music America Festival, New York, NY (TO).
11-3-89 International Computer Music Conference, Colombus, OH (TO).
6-20-89 CCRMA Computer Music Festival, Stanford University. Looking Into a Face (LIF).
4-30-89 Music Plus Series, Mountain View, CA.
4-5-89   Alternative Museum, New York, NY. A recital of electroacoustic works.
10-21-88 SEAMUS National Conference at Evergreen State College, Olympia, WA.
         Looking Into a Face, premiere.
8-10-88   Internationales Musikinstitute Darmstadt, Germany (Cas).
5-25-88 Sonar concert series, Mandeville Hall, University of California at San Diego (Cas).
4-27-88 Society of Composers, Inc. 23rd Annual Conference, Kansas City, MO (Spon).

2-28-88 The Brentwood Symphony Orchestra, Brentwood, CA.
           Commission for Stone and Elm, for orchestra, premiere.
2-3-88   Music and More series at the London Regional Art Gallery, London, Ontario (Cas).

Other Performance and Production Work
"Dance, Technology and Performance," Director. Symposium and festival at Brown University, '03

PONG: An Annual Festival of Art and Technology, Director. 1993 - 2001
Curator for art exhibits, performances and invited lectures.

University of California at Berkeley, computer performer and programmer for
"Transmission 2," a multimedia work by Larry Austin, '90

New Music LA Festival, computer performer and programmer for Hungers, a
multimedia opera by Morton Subotnick with video artist Ed Emschwiller, '87

New Music America Festival, concert producer for Meet the Composer, '85

Olympic Arts Festival, computer performer and programmer for Ascent Into Air,
a multimedia opera by Morton Subotnick, directed by Lee Breuer, '84

VI. Research and Creative Work in Progress

Generative Animation System for Drummer, with Allison Miller, Dougie Bowne
Analog Music to Digital Video Synthesizer

VII. Service

University Service
Promotion review for Sydney Skybetter, TAPS, 2020
BAI Executive Committee, 2018-19
University Resources Council, 2015-18
Executive Director for the Arts Search Committee, 2015
Building Advisory Committee, 2013
Creative Arts Council Executive Committee (CAC), 2002-2013
Mellon Graduate Workshop Faculty Advisor, 2009-2013
Brown University Public Art Committee, 2009-2010
Chair, Planning Committee for Center for Emerging Arts, Design and Science (CEADS), 2003-2005
Committee on Inter-Institutional Cooperation (CIIC), 2003 - 2006
Provost's Committee on Brown/RISD programs, 2002 – 2003
Co-Chair, Arts and Media subcommittee 02-03
Brown University Independent Concentration Committee, 1997, 2001 - 2002
Committee on Center for Digital Art and Culture, 1999-2000
Chair, Multimedia Lab Faculty Committee, 1996 - 1998
Brown University Lectureships Committee, 1995-1997
Founding Director, Brown University Multimedia Lab, 1994-96

Music Department Service
Chair, Jim Moses Promotion Committee, 22-23
DIAP Committee, 2021-23
Chair, Department of Music, 2018-19
Chair, Postdoc Search Committee, 2018-19

Graduate Admissions Committee, 1998-2020
DGS, Program in Computer Music and Multimedia, 1999-2005, 2007-2010, 2012-13, 2014-18
Committee member, Chair Search Committee, 2017-18
Chair, Visiting Faculty Search Committee, 2016-17
Faculty Search Committee, 2014-15
Co-Director, Meme@Brown, 2004-present
Designed PhD Program in Computer Music and Multimedia. 2003
Chair, Department of Music, 2002 - 2005
Curriculum Committee, 2003 - 2005
Computer Music Search Committee, 2003-04
Founded Master's Program in Computer Music and Multimedia, 1998
Music Department Liaison to the Sheridan Center, 1997-2003
Computer Music Visiting Faculty Search Committee, Chair, 2000
Admissions reviewer for music composition, 1994 - 2008
Music Department Computer Coordinator, 1994-2000

Professional Service
Tenure Review Committee, Arizona State University, 2017
Tenure Review Committee: Stanford University, 2016
External PhD reviewer, Tasmania University, Australia 2014
External PhD Defense Reader, Aalto University, Helsinki 2013
 External PhD Defense Examiner, Aalto University, Helsinki 2012
Outside promotion review committee for UCSD, 2010
Reviewer for Howard Foundation Grants, 2008
Book Reviewer for MIT Press, 2008
Outside reviewer for MFA thesis show in Electronic Art, Renssalear Polytechnic (RPI), 2007
Tenure Review Committees: Chicago Art Institute, 2005
        Yale University,
        Dartmouth College, University of Texas, RPI, 2003
Director, "Dance, Technology and Performance," Symposium and festival at Brown University. 2003
External Grant Assessor for Social Sciences and Humanities Research Council of Canada, 2003
Co-Director for "Performance, Text and Sound," a three-day festival of multi-disciplinary performance,
        with Gale Nelson (Literary Art) at Brown University. 2002
Reviewer for MIT Press computer music book proposal, 1992, 1998, 2002
Concert and Demo Organizing Committee, Paper Reviewer for International conference on New
Instruments for Musical Expression (NIME), 2002, 2003 (also, session moderator)
Reviewer for Organized Sound Journal, Cambridge University Press, 2002, 2003
Reader International Computer Music Conference (ICMC) paper submissions, 1995, 1997, 1998,
1999, 2000, 2001, 2003 (also, session moderator)
Judge for Rhode Island State Council on the Arts, New Genres Fellowships, 2000.
Reviewer for Computer Music Journal paper submission, 2000, 2003, 2009
Founding Editor, Newsletter for Society for Electroacoustic Music in the United States (SEAMUS).
        1988-90
Vice President for Membership, Society for Electroacoustic Music in the United States (SEAMUS)
        1988-1990
SEAMUS National Conference Programming Committee, 1988

VIII. Awards, Honors, Commissions, Grants

Interactive video design, commission from Allison Miller - Boom, Tic, Boom for "In Our Veins: Rivers and Social Change."
2019/2020

Sound and interactive video design, commission from Everett Company for "Good Grief." 2018

Interactive video design commission from Tracy Silverman and Anchorage Symphony Orchestra, for "Love Song to the Sun." 2016

BAI Research Grant, 2017

Creative Arts Council Grant, Brown University, for *Time's Up*, 2014

Rhode Island State Arts Council, Interactive Music for Children with Disabilities, 2010

First Night Worcester Commission. Magic Mirrors II, an interactive video installation, 2008

Scholarly Technology Faculty Grant, Digital Art and Performance Archive and Related Websites, 2008

Irish Arts Council Production Grant
> For Entanglement Witness, with Cindy Cummings, 2008

Fulbright Senior Specialist Award
> To develop multimedia programs and research at Limerick Institute of Technology, Ireland. 2006

Irish Arts Council Research Grant
> For Celeritas, with Cindy Cummings and Tyndall Institute, 2004

First Night International Creative Project Award. Magic Mirrors, an interactive video installation, 2002

First Night Providence Commission. Magic Mirrors, an interactive video installation, 2001

Dublin Fringe Festival Commission
> For Falling Up, a multimedia dance/theatre work, with Cindy Cummings, 2001

ASCAP Special Awards, 1987-94, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004

Rhode Island State Arts Council Project Grant. Motion-Sensing Music for Children with Disabilities.
> A collaboration with Hasbro Children's Hospital, 2000

First Night International Creative Project Award.
> Special award for innovative artwork,"Maybe...1910," 2000

Wriston Grant for research in electronic teaching resources for computer music, Brown University, 2000

Rhode Island 2000 Commission. For new works of art celebrating the millennium.
> for new version and public showing of video and audio installation, "Maybe...1910," 1999

Fulbright Scholar Fellowship, for research and lecturing at Trinity College, Dublin,1998

Rhode Island State Arts Council Grant, for video and audio installation, "Maybe...1910," 1997

American Composers Forum Commission
> for an interactive dance work, Songs for the Body Electric, with choreographer Gerry Girouard and lighting designer Steve Rueff, 1997

Rhode Island State Arts Council Grant
> for an interactive dance work, Dark Around the Edges, with choreographer Walter Ferrero, 1997

Arizona State University Center for Arts and Technology Commission
> for an interactive work, Entangled in Vines, for an ensemble consisting of two MIDI keyboards (Kurzweil K2000), acoustic percussion, electronic percussion (Drum Kat), amplified cello, and computer, 1996

AT&T Foundation Grant, ($150,000) for the Brown University Multimedia Lab, 1995

Wayland Collegium Grant, for curriculum development, Brown University, 1995

Wriston Grant, for research in multimedia facilities and programs, Brown University, 1995

Salomon Grant, Brown University, 1995

Small Grants Program, Brown University, 1994

National Endowment for the Arts Composition Fellowship
        for composition for clarinet and computer, Snake Charmer, 1992

Stanford School of Humanities and Sciences Paris Scholarship, 1991

Wellesley Composers Conference Fellowship, 1990

Stanford University Doctoral Research Fellowship, 1988-91

Meet the Composer grants, 1988, 1989, 1992

National Endowment for the Humanities Grant, Seminar for Music and Technology, 1987

Ahmanson Foundation Grant for Interdisciplinary Projects, 1983

Young Musician's Foundation Victor Herbert/ASCAP Award to Young Composers, 1982

IX. Brown University Teaching

A. Courses Taught
Fall, 1993	Music 11, Computers and Music (enrollment 45)
	Music 55, Theory of Tonal Music (enrollment 25)
Spring, 1994	Music 82, Introduction to Electronic Music (enrollment 23)
	Music 107, Advanced Music Theory I (enrollment 18)
Fall, 1994	Music 11, Computers and Music (enrollment 75, limited)
	Music 55, Theory of Tonal Music (enrollment 25)
	Music 191, Independent Study: Alex Gottschalk
Spring, 1995	Music 3, The Fundamentals of Music (enrollment 32)
	Music 192, Independent Study: Sameer Saini

GISP 0005 (Group Independent Study Project), New Media Theory and Composition
Students: Michael Stone, Alex Gottschalk, Maurice Methot, Julian Richards, Michael Hoffman, Marx Njoroge, Andrew Feder, Ahmed Alireza, Jason Duva

Fall, 1995	Music 11, Computers and Music (enrollment 75, limited)
	Music 55, Theory of Tonal Music (enrollment 25)
	Music 191, Independent Study: David Jackman, Vicki Lan, Michael Tarantino
Spring, 1996	Music 184, New Media Theory and Composition, New course (enrollment 12, limited)
	Music 56, Theory of Tonal Music (enrollment 14)
	Music 192, Independent Study: Nicholas Fiori, Mario Flores

GISP 0012, Synthesizing Language and Culture:
Analysis, Design, and Implementation of a Computer Hip-hop Generator
Students: Oliver Hurst-hiller, Damina Kulash, Meredith Tenhoor

Fall, 1996   Music 11, Computers and Music (enrollment 75, limited)
                  Music 181, Seminar in Electronic Music (enrollment 16)
                  Music 191, Independent Study: Asa Mader
                  Music 291, Independent Study: Henry Hample

Spring, 1997   Music 182, Seminar in Electronic Music (enrollment 10)
                  Music 184, New Media Theory and Composition (enrollment 12, limited)
                  Music 192, Independent Study: Alex Gottschalk
                  Music 292, Special Topics: Henry Hample

Fall, 1997   Music 181, Seminar in Electronic Music (enrollment 14)
                  Music 191, Special Topic: Master class in computer music (enrollment 8)
                  Music 291, Special Topics: Henry Hample

Spring, 1998   Music 182, Seminar in Electronic Music (enrollment 13)
                  Music 184, New Media Theory and Composition (enrollment 12, limited)

Music 192, Independent Study: Ganter Ludwig
                  Music 292, Special Topics: Henry Hample

Fall, 1998   On leave teaching at Trinity College, Dublin.

Spring, 1999   Music 182, Seminar in Electronic Music (enrollment 12)
                  Music 184, New Media Theory and Composition (enrollment 12, limited)

Fall, 1999   Music 11, Computers and Music (enrollment 75, limited)
                  Music 184, New Media Theory and Composition (enrollment 12, limited)
                  Music 291, Special Topics: Thomas Ciufo

Spring, 2000   Music 82, Introduction to Electronic Music (enrollment 23)
                  Music 182, Seminar in Electronic Music (enrollment 12)
                  Music 292, Special Topics: Thomas Ciufo

Fall, 2000   Music 186, New Media Theory and Composition (enrollment 12, limited)
                  Music 292, Graduate Seminar in Computer Music and Multimedia (enrollment 4)

Spring, 2001   Sabbatical Leave

Fall, 2001   Music 181, Computer Music Seminar (enrollment 18)
                  Music 186, New Media Theory and Composition (enrollment 14)
                  Music 191, Independent Study: Will Carter, Taylor Shaw
                  Music 291, Special Topics: Young Choi

Spring, 2002   Music 82, Introduction to Electronic Music (enrollment 25)
                  Music 292, Graduate Seminar in Computer Music and Multimedia (enrollment 8)

Fall, 2002   Music 181, Computer Music Seminar (enrollment 18)

Spring, 2003   Music 292, Designing Large-Scale Multimedia Projects (enrollment 5)

Fall, 2003   Music 186, New Media Theory and Composition (enrollment 13)

Spring, 2004	Music 288, Designing Large-Scale Multimedia Projects (enrollment 5)
Fall, 2004	Music 186, New Media Theory and Composition (enrollment 13)
Spring, 2005	Music 288, Designing Large-Scale Multimedia Projects (enrollment 5) Music 186, Interactive Installation (enrollment 10)
Fall, 2005	Music 182, Electronic Music Seminar: Real-time Systems (enrollment 12) Music 286, Digital Performance (enrollment 11)
Spring, 2006	Music 288, Designing Large-Scale Multimedia Projects (enrollment 6) Music 186, Interactive Installation (enrollment 9)
Fall, 2007	Music 1210, Real-time Systems (enrollment 14) Music 2110, Digital Performance (enrollment 10)
Spring, 2008	Music 2280, Designing Large-Scale Multimedia Projects (enrollment 6) Music 1220, Interactive Installation (enrollment 8)
Fall, 2008	Music 0200, Computers and Music (enrollment 41) Music 2110, Digital Performance (enrollment 9)
Spring, 2009	Music 2280, Designing Large-Scale Multimedia Projects (enrollment 6) Music 1220, Interactive Installation (enrollment 10)
Fall, 2009	Music 0200, Computers and Music (enrollment 80) Music 2110, Digital Performance (enrollment 8)
Spring, 2010	Music 2280, Designing Large-Scale Multimedia Projects (enrollment 7) Music 1220b, Narrative and Immersion (enrollment 12)
Fall, 2010	Music 0200, Computers and Music (enrollment 80) Music 2110, Digital Performance (enrollment 8)
Spring, 2011	Music 2280, Designing Large-Scale Multimedia Projects (enrollment 8) Music 1220b, Narrative and Immersion (enrollment 18)
Fall, 2011	Music 0200, Computers and Music (enrollment 86) Music 2110, Digital Performance (enrollment 3)
Spring, 2012	Music 2280, Designing Large-Scale Multimedia Projects (enrollment 7) Music 1220b, Narrative and Immersion (enrollment 14)
Fall, 2012	Music 0200, Computers and Music (enrollment 89) Music 2110, Digital Performance (enrollment 13)
Spring, 2013	Music 2280, Designing Large-Scale Multimedia Projects (enrollment 5) Music 1220b, Narrative and Immersion (enrollment 17)
Fall, 2014	Music 0200, Computers and Music (enrollment 79) Music 2270b, Performance in a Virtual World (enrollment 16)
Spring, 2015	Music 2280, Designing Large-Scale Multimedia Projects (enrollment 9) Music 1220b, Narrative and Immersion (enrollment 16)
Fall, 2015	Music 0200, Computers and Music (enrollment 85)

Music 2270b, Performance in a Virtual World (enrollment 15)

Spring, 2016   Music 2280, Designing Large-Scale Multimedia Projects (enrollment 9)
                 Music 1220b, Electronic Music Aesthetics, Perception and Analysis (enrollment 10)

Fall, 2016   Music 0200, Computers and Music (enrollment 93)
                 Music 2210, Digital Performance (enrollment 9)

Spring, 2017   Music 2280, Designing Large-Scale Multimedia Projects (enrollment 9)
                 Music 1220b, Electronic Music Aesthetics, Perception and Analysis (enrollment 10)

Fall, 2017   Music 0200, Computers and Music (enrollment 96)
                 Music 2210, Digital Performance (enrollment 11)

Spring, 2018   Music 2280, Designing Large-Scale Multimedia Projects (enrollment 9)

Fall, 2018   Music 2210, Digital Performance (enrollment 14)

Spring, 2019   Music 2280, Designing Large-Scale Multimedia Projects (enrollment 11)

Fall, 2019   Sabbatical Leave

Spring 2020   Sabbatical Leave

Fall, 2020   Music 0200, Computers and Music (enrollment 71)
                 Music 2210, Digital Performance (enrollment 9)

Spring, 2021   Music 2280, Designing Large-Scale Multimedia Projects (enrollment 3)

Fall, 2021   Music 0200, Computers and Music (enrollment 78)
                 Music 2210, Digital Performance (enrollment 12)

Spring, 2022   Music 2280, Designing Large-Scale Multimedia Projects (enrollment 4)
                 Music 1970, Independent Studies (2)

Fall, 2022   Music 0200, Computers and Music (enrollment 83)
                 Music 2210, Digital Performance (enrollment 12)

B. Graduate Thesis Advisor
Doctoral Thesis, Committee Chair
          Thomas Ciufo, '04, Shawn Greenlee '08, Jamie Jewett '08, Brian Knoth '10,
          Lyn Goeringer '10, Robbie Byron '13, Freida Abtan '13, Jacob Richman (co-chair)'13, Stephan Moore '15,
          Kristina Wolfe '16, Caroline Park (co-chair) '16, Brian House '18, Asha Tamarisa '19, Jinku Kim '19, Nicole
          Carroll '19 Alex Dupuis '20, Martim Galvao '22
Doctoral Thesis Committee Member
          Steve Taylor '00, Alan Williams '06, Kevin Patton '10, Mathew Warne '13, Peter Bussigel '14, Jordan Bartee '14,
          Bevin Kelly '14, Hans Vermy '15, Mark Cetilia '16, Seth Thorn '18, Akiko Hatakeyama '19, Luke Moldof '19
Master's Thesis Advisor
          Maurice Methot, '95, Thomas Ciufo '00, Young Choi '02, Edrex Fontanilla '02, Shawn Greenlee '03, Mark Domino
          '03, Jeannie Lee '03, Tom Owen '04, Jonathon Kirk '04, Joshua Walker '04, Desak Made Suarti Laksmi '05,
          William Gomberg '05, Jason Moore '05, Wilson Brown '05, Jamie Jewett '05, Christine Southworth '06, Pauline
          Hall '06, Greg Thompson '06, Damon Baker '06, Joseph Grimm '06, Jamie Jewett '07, Brian Knoth '07, Mathew
          Warne '07, Lyn Goeringer '08, Kevin Patton '08, Robbie Byron '08, Freida Abtan '08, Jacob Richman '09, Peter
          Bussigel '09, Bevin Kelly '10, Jordan Bartee '10, Mark Cetilita '13, Caroline Park '13, Jinku Kim '15, Luke Moldof

'15, Nicole Carroll '16, Alex Dupuis '16, Martim Galvao '17, Amber Vistein '17, Jim Moses '17, Marcel Sagesser '18, Will Johnson '22, Kamari Carter '22.

C. Undergraduate Student Advising and Directed Research
Undergraduate Honors Thesis Primary Advisor
  David Jackman '96, Nick Fiori '96, Mario Flores '96, Akemi Fujita '98, Will Carter '02,
   David Eichler '09, Michael Costagliola '10, Dylan Nelson '11, Ryan Glassman '15, Henry MacConnell '15, Lucas
   Bentel '15, Max Sternlich '18, Luc Bokor-Smith '18, Sam Levine '18, Zuriel Mbonde '19.
Undergraduate Honors Thesis Committee Member
  Michael Hoffman '95, Jessica Glass '95
Independent Concentration Advisor
Georg Bissen, '00, William Pena, '00, Asa Mader, Multimedia, '98, Bryan Yee, Multimedia, '97
Alex Gottschalk, Music and the New Computer Media, '97, Sameer Saini, Psychoacoustics, '95, Zuriel Mbonde '19, Sydney Scott '22
Concentration Advisor, 20-21 (8), 21-22 (12)
Freshman Advisor, 1994--1998, 2007-2008, 2010-2012, 2020-21
Sophomore Advisor, 2021-22

Student Research Assistants, Grants and Proctorships
PSP Summer Research Practicum, with Jackson Davis, 2021
UTRA Grant for Emily Chiu – Summer research in artificial vocal software, 2012
Graduate Proctorship for Brian Knoth - Meme@Brown, 2005-06
Graduate Proctorship for Shawn Greenlee - Brown/RISD collaboration, 2003-05
UTRA Grant for Aaron Zick – Summer and fall research redesigning Mu 200, 2009
UTRA Grant for Laura Barisonzi - Summer research in Interactive Installations, 2000
UTRA Grant for William Pena - Summer research in Sound/Video Installation, 1998
UTRA Grant for Scott Pagano - Summer research in Interactive Video, 1997
Graduate Proctorship for Multimedia Lab, Pedram Navab, Kip Bradford, 1995-96
UTRA Grant for Michael Stone - Summer research in Multimedia Curriculum, 1995
UTRA Grant for Alex Gottschalk - Summer research in Interactive Composition, 1994
UTRA Grant for Jason Duva - Research in Interactive Composition, 1993

D. Curriculum and Program Development
Primary author of department-wide Operational Plan (2018-19)
Primary participant in devising department-wide Strategic Plan (2017-18)
Primary author of new undergraduate concentration (2018)
Primary author of new Ph.D. program in Music and Multimedia (2018)
Participant in committee for new Ph.D. program in Musicology and Ethnomusicology (2018)
New Graduate Seminar: Performance in a Virtual World (2014)
CAC Course development grand for Narrative and Immersion (2011)
Received Cogut Posdoctoral Fellowship for MEME (2008)
Redesign Mu200, Computers and Music (2008)
Redesign MEME undergraduate concentration (2008)
New Graduate Seminar in Digital Performance, Music 286 (2005)
Redesigned course in Real-time Systems, Music 182 (2005)
New Topic Section in Interactive Installations, Music 186 (2005)
New Ph.D. Program in Computer Music and Multimedia (2004)
New Graduate Seminar in Designing Large-Scale Multimedia Projects (2003)
New M.A. Program in Computer Music and Multimedia (1998)
New Undergraduate Concentration in Computer Music and Multimedia (1997)
New Course: New Media Theory and Composition (1995-96)
Redesigned course in Computers and Music, Music 11 (1993-94)
Established Music Department Computer Music Program (1993-95)

Assisted in redesign of Music Theory program (1993-95)

E. Professional Development

Universal Design Seminar. Workshop on students with disabilities. Brown University. June 5, 6, 2000

Public Speaking Workshop. Brown University. June 5 - 11, 1999.

F. Teaching and Research Facilities Development
Co-Director, Meme@Brown (Multimedia and Electronic Music Experiments), 2004-present

BAI Executive Committee, 2018-19

CAC Executive Committee. Planning committee for Granoff Arts Center, 2003-2013

Chair, Music Department 2002-05, 2018-19

Grant Auditorium renovation, secured funding and worked with various committees to rebuild Grant Auditorium, 2003-2005

Director, MacColl Studio for Electronic Music, 1996 - 2004

1994-95, designed and remodeled studios: moved and upgraded beginning studio and created new
downstairs teaching studio. Built "beta" Multimedia Lab testing facility in MacColl, with four computer workstations and
projection. Upgraded faculty studio to include digital video capabilities.

1995-96, rebuilt new classroom studio downstairs, with projection and seating for 20 students.

1996-97, remodeled recording studio, adding ProTools digital recording software and rewiring for new
24-track mixing board. Added new multimedia studio, with scanner and digital video capabilities.

1997-98, expanded available systems with two donated computers and an audio card from the
Multimedia Lab, provided larger storage and backup in all studios.

1998-99, conducted a national search and hired a new technical director, expanded existing
computer capabilities with additional Apple G3 cards, installed CD-mastering capabilities.

1999-2000 Added new computers to all studios. Upgraded ProTools to professional version.
New mixing board, new ProTools system, 5.1 surround sound in two rooms

Fundraising and Equipment Donations
Multimedia software and computers from Scholarly Technology Group, 1996-99, $8,000
AT&T Foundation Grant for Multimedia Lab, 1994-96, $150,000
Twenty Kurzweil 2000 synthesizers from Young Chang Inc. 1993-98 - $80,000
Opcode Systems, Music Software, 1994-1995, $3500

X. Date of Preparation of this Document
        February 1, 2023