

# CHRISTOPHER BAKER

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## Education:

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- 2008 **University of Minnesota**, Minneapolis, Minnesota, USA  
*Masters of Fine Art in Experimental and Media Art, Graduate Minor in Computer Science*
- 2004 **University of Minnesota**, Minneapolis, Minnesota, USA  
*Masters of Science in Biomedical Engineering, NSF-IGERT Computational Neuroscience Fellow*  
Thesis: "Distributed Real-Time Analysis of Neural Data"
- 2001 **Saint Louis University**, Saint Louis, Missouri, USA  
*Bachelors of Science in Biomedical Engineering, Summa Cum Laude*  
Thesis: "Video Simulation of Elderly Visual Deficits"

## Exhibitions:

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- 2011 **Nuit Blanche, Northern Spark**, Minneapolis, MN (*upcoming*)
- 2010 **Individual to Icon**, Plains Art Museum, Fargo, ND  
**OPEN BOOK**, Eastern Michigan University, Ypsilanti, MI  
**Complication**, GAGA Arts Center, Garnerville, NY  
**Hello World!**, Solo Exhibition, Visual Studies Workshop, Rochester, NY  
**Solo Exhibition**, Museum für Kommunikation, Bern, Switzerland  
**Remoteness**, Frankston Art Center, Melbourne, Australia (*upcoming*)  
**ZeroOne Biennial**, San Jose, CA (*upcoming*)  
**Two Person Exhibition**, FAC Modern, Colorado Springs, CO (*upcoming*)
- 2009 **Emerging Artists Solo Exhibition**, Franklin Artworks, Minneapolis, MN  
**Reading By Light**, Gallery@, Barnsley, UK  
**FEEDFORWARD: Angel of History**, LABoral Centro de Arte y Creación Industrial, Gijón, Spain  
**Hybrid Geographies**, SAC Gallery, SUNY Stony Brook, NY  
**Nuit Blanch**, Drake Hotel, Toronto, Canada  
**Tent London**, Truman Brewery, London UK  
**POKE!**, FotoFest, Houston, TX  
**Artists on the Verge**, Frederick R. Weisman Art Museum, Minneapolis, MN  
**Wishes for the Sky, 2009**, Harriet Island, Saint Paul, MN  
**Pixelache Festival**, Helsinki, Finland  
**Experimental and Media Art Retrospective**, Katherine E. Nash Gallery, Minneapolis, MN  
**Spark Festival of Electronic Music and Art**, University of Minnesota, Minneapolis, MN
- 2008 **Pav Attention: GM08**, Soap Factory, Minneapolis, MN, *catalogue*  
**Party Party in a Tweety Land b/w This Republic of Suffering**, Form+Content Gallery, Minneapolis MN  
**Unconvention**, Peavy Plaza, Minneapolis, MN  
**Why You Belong**, Regis Center for Art, Minneapolis, MN  
**[] SCAPES**, Katherine E. Nash Gallery, Minneapolis, MN  
**W(e are) here: Mapping the Human Experience**, Intermedia Arts, Minneapolis, MN  
**Why You Belong**, Burnet Gallery, Minneapolis, MN  
**DATS Symposium**, University of North Carolina Greensboro, Greensboro, NC  
**KIBU/ Projects\ Social**, Kitchen Budapest, Budapest, Hungary  
**Solutions Volume 3**, Intermedia Arts, Minneapolis, MN  
**Wishes for the Sky, 2008**, Harriet Island, Saint Paul, MN
- 2007 **Fresh Works Exhibition**, Regis Center, Minneapolis, MN, USA  
**International Computer Music Festival**, Huset i Magstræde, Copenhagen, Denmark

- Sound in Art/Art in Sound**, Minnesota Museum of American Artists, Saint Paul, MN  
**Spark Festival of Electronic Music and Art**, University of Minnesota, Minneapolis, MN  
**House of the Future**, Millenáris Park, Budapest, Hungary  
**Big Ten Conference Art Exhibition**, Big Ten Headquarters, Park Ridge, IL  
**Scholarship Exhibition**, Dept. of Art, University of Minnesota, Minneapolis, MN  
**Student Exhibition**, College of Design, University of Minnesota, Saint Paul, MN  
**Duet No. 3**, Quincy Street Gallery, Minneapolis, MN  
**Wishes for the Sky, 2007**, Harriet Island, Saint Paul, MN  
**Spark Festival of Electronic Music and Art**, University of Minnesota, Minneapolis, MN
- 2006 **Artsmosis Festival**, Regis Center, Minneapolis, MN, USA  
**Fresh Works Exhibition**, Regis Center, Minneapolis, MN, USA  
**Fallout Art Festival**, Fallout Urban Art Center, Minneapolis, MN, USA  
**Spark Festival of Electronic Music and Art**, Southern Theater, Minneapolis, MN, USA  
**Kinetic Kitchen Dance Series**, Old Arizona Theater, Minneapolis, MN, USA
- 2005 **Artsmosis Festival**, University of Minnesota, Minneapolis, MN, USA  
**Visible Fringe Festival**, Intermedia Arts & Acadia Cafe, Minneapolis, MN, USA  
**Fresh Works Exhibition**, Regis Center, Minneapolis, MN, USA  
**Spark Festival of Electronic Music and Art**, The Whole, Minneapolis, MN, USA  
**Best Feet Forward Festival**, The Southern Theater, Minneapolis, MN, USA
- 2004 **Spark Festival of Electronic Music and Art**, Regis Center, Minneapolis, MN, USA

#### Commissions:

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- 2010 **News Viz**, Live news installation. **Päivälehti Museum**, Helsinki, Finland  
**ZeroOne Biennial**, San Jose, CA (*upcoming*)

#### Festivals and Conference Participation:

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- 2010 *Exhibition Juror*, **Spark Festival of Electronic Music and Arts**, Minneapolis, MN, USA  
*Exhibitor*, **Flashbelt Conference**, Minneapolis, MN, USA
- 2009 *Artist*, **Pixelache Festival**, Helsinki, Finland  
*Climatehack Workshop Facilitator*, **Transmediale Festival for Art and Digital Culture**, Berlin, Germany
- 2008 *Exhibition Juror*, **Spark Festival of Electronic Music and Arts**, Minneapolis, MN, USA  
*Speaker / Panelist*, **KIBU/ Projects\ Social**, Kitchen Budapest, Budapest, Hungary  
*Assistant Director*, **Spark Festival of Electronic Music and Arts**, Minneapolis, MN, USA  
*Speaker / Panelist*, **Digital, Art and Technology Symposium, University of North Carolina**, Greensboro, NC
- 2007 *Presenter*, **Emerging Digerati Week 2008, Institute for New Media Studies**, University of Minnesota  
*Presenter*, **AIGA National Design Conference**, Denver CO, USA  
*Attendee*, **Conflux Festival, Brooklyn**, NY USA  
*Attendee*, **SIGGRAPH 2007, San Diego**, CA USA  
*Presenter*, **International Computer Music Conference**, Copenhagen, Denmark  
*Director of Art Installations*, **Spark Festival of Electronic Music and Art**, Minneapolis, MN, USA
- 2006 *Interactive Installation Jury*, **Spark Festival of Electronic Music and Art**, Minneapolis, MN, USA  
*Assistant Rapporteur*, **ISEA/ZeroOne Festival**, San Jose, CA, USA
- 2005 *Interactive Installation Jury*, **Spark Festival of Electronic Music and Art**, Minneapolis, MN, USA

#### Artist Talks / Guest Critiques

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- 2010 *University of Rochester*, Rochester, NY  
*Visual Studies Workshop*, Rochester, NY  
*Bethel University*, Arden Hills, MN  
*Franklin Art Works*, Minneapolis, MN  
*Minneapolis College of Art and Design*, Minneapolis, MN

- Individual to Icon, Plains Art Museum, Fargo, ND
- 2009 POKE!, *FotoFest*, Houston, TX  
 Pecha Kucha, *Hungarian Museum of Applied Arts*, Budapest, Hungary  
*Give & Take*, Intermedia Arts, Minneapolis, MN
- 2008 Mikro Beavatkozások, Moszkva Tér, Urban Design Workshop BME University, Budapest, Hungary  
 Pecha Kucha, *Hungarian Contemporary Architecture Centre*, Budapest, Hungary  
*Moholy-Nagy University of Art and Design*, Budapest, Hungary  
*Soap Factory*, Minneapolis, MN  
*W(e are) here*, Intermedia Arts, Minneapolis, MN
- 2007 *(Un)Tied*, Qunicy Street Gallery, Minneapolis, MN  
*Data Visualization Arts*, Art Institutes International, Minneapolis, MN  
*Emerging Digerati*, Institute for New Media Studies, Weisman Art Museum  
*Dorkbot*, Minneapolis, MN  
*My Map*, Spark Festival of Electronic Music, University of Minnesota
- 2005 *Emerging Digerati*, Institute for New Media Studies, Weisman Art Museum

### Selected Press:

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- 2010 Grant Mandarino, Review, *Ann Arbor Observer*, 5/10  
 Rebecca Rafferty, Review, *Rochester City Newspaper*, 5/12/10  
 Jennifer Eberbach, Review, *AnnArbor.com*, 5/12/10  
 Peter D. Kramer, Review, *LoHud.com*, 4/30/10  
 Ribbed Magazine, Issue 2, "The Remake", 5/10  
 Dominique Moulon, "L'angle de l'histoire", *Images Magazine*, No 39
- 2009 Mary Abbe, "Top 5 Gallery Shows of 2009", *Star Tribune*, 1/1/10  
 Mary Abbe, Review, *Star Tribune*, 12/18/09  
*Hello World!*, in *Philosophie Magazine*, Paris, No 34, Novembre, 2009  
 Katie Jackson, "Unusual Collaborations: Twitter and YouTube" *Ideas Tap*, 6/09  
 Rod Smith, "Tech Artist", *City Pages*, 9/17/09
- 2008 Sutherland Lyall, "Writing on the Wall" *Architectural Review*, 2/08
- 2007 Tim Franzen, "Lynn Lukkas' Biosensor Projects engage the viewer differently" *Insight News*, 6/18/07  
 Jon Nelson, "Sound in Art Art in Sound," *Some Assembly Required*, 5/4/07  
 Chris Roberts, "Art makes noise at St. Paul Museum," *Minnesota Public Radio*, 4/23/07  
 Ann Wickstrom, "Spark Festival," *Metro Magazine*, 2/2007
- 2006 Katie Mae Kohlbeck, "Fusion at Artsmosis", *Wake Magazine*, 10/4/06  
 Michael Garberich, "Collaborative Exploration", *Minnesota Daily*, 10/5/06  
 Morning Show, "Spark Festival", *Fox 9 News*, 2/2006
- 2005 Kate Hoff, "Secrets," *Full Frontal Fringe*, 7/2005  
 Anne Pratt, "Living on the Fringe," *Downtown Journal*, 8/5/2005

### Selected Publications:

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- 2010 *Murmur Study*, in book **Data Flow 2**, Die Gestalten Verlag  
*My Map*, in book **Visual Complexity**, Princeton Architectural Press (*upcoming*)
- 2008 *American Toys*, in book **Data Flow: Visualising Information in Graphic Design**, Die Gestalten Verlag
- 2007 *American Toys* in **I.D. Magazine**, November, 2007  
*Separate image durations activate distinct neuronal populations in the human medial temporal lobe*  
**Computational and Systems Neuroscience 2007, Salt Lake City, UT, USA**
- 2006 *Temporal dependence of single-unit responses in human subjects during object categorization*  
**Society for Neuroscience 2006, Atlanta, GA, USA**
- 2002 *Spectral Reliability of VHS Archived EEG Data in Patients with Epilepsy*  
**Epilepsia 43 Suppl. 7 :44 (Abst. 1.118 ), 2002, AES Seattle, 2002**

### Grants/Fellowships:

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- 2009 Artists Initiative Grant: **Minnesota State Arts Board**  
 Attention Philanthropy Grant: **Worldchanging.com**
- 2008 Artist on the Verge Fellowship: **Northern Lights/Jerome Foundation/Forecast Public Art**

- Office of International Programs: **Interdisciplinary International Institutional Partnership Grants**
- 2007 Alexander Dubcek Research/Travel Grant – Budapest, Hungary, **University of Minnesota**  
Faculty Graduate Arts Fellowship, **University of Minnesota**  
CLA GRPP Independent Research Fellowship, **University of Minnesota**  
College of Design e-Scholarship Grant, **University of Minnesota**  
Institute for Advanced Study – Research Fellowship, **University of Minnesota**  
Artist’s Grant – Arts Quarter Collective, **University of Minnesota**
- 2006 Artist’s Grant – Arts Quarter Collective, **University of Minnesota**
- 2005 Artist’s Grant – Arts Quarter Collective, **University of Minnesota**  
Marjorie A. Finch Graduate Arts Fellowship, **University of Minnesota**
- 2002 NSF-IGERT Computational Neuroscience Fellowship, **National Science Foundation**

### **Collections:**

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- 2009 Edelman, New York  
Rhizome Artbase of the New Museum of Contemporary Art, New York

### **Awards:**

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- 2007 My Map – *Best in Show*, College of Design Student Exhibition, University of Minnesota  
My Map – Big Ten Art Exhibition Winner, Park Ridge, Illinois

### **Work / Teaching / Research / Workshops:**

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- August 2010 – Present **Minneapolis College of Art and Design**, Minneapolis, Minnesota, USA  
*Visiting Artist*  
*Instructor: Media I*  
*Instructor: Media II*  
*Instructor: Web and Screen*
- Jan 2010 - Present **Murmur Labs LLC**, Minneapolis, Minnesota, USA  
*Owner, Principal*
- July 2008 – June 2010 **University of Minnesota, Dept. of Art**, Minneapolis, Minnesota, USA  
*Researcher, Developer for Minneapolis Art On Wheels*  
*Developed open source interactive projection software for performance and installation*  
*Coordinator, Minneapolis Art on Wheels Artist Residency Program*  
*A nine week artist residency and commissioning program for 9 artists.*
- March 2010 **Walker Art Center**, Minneapolis, Minnesota, USA  
*Month long New Media Workshop with Walker Art Center Teen Arts Council*
- Oct. 08-Nov 09 **Kitchen Budapest New Media Lab**, Budapest, Hungary  
*Senior Researcher, Artist-in-residence*
- Summer 2008 Freelance art/design, Minneapolis, Minnesota, USA
- Spring 2008 **University of Minnesota, School of Music**, Minneapolis, Minnesota, USA  
*Research Assistant – Tangible Music Interaction, PI: Doug Geers*
- Fall 2007 **University of Minnesota, Dept. of Art**, Minneapolis, Minnesota, USA  
*Instructor – ARTS1601 Intro to New Media*  
*Teaching Assistant – ARTS5303 Experimental Video with Ali Momeni*
- Fall/Spring 2007/08 **University of Minnesota, School of Music**, Minneapolis, Minnesota, USA  
*Research Assistant – Tangible Music Interaction, PI: Doug Geers*

- Summer/Fall 2007 **University of Minnesota, Design Institute**, Minneapolis, Minnesota, USA  
*Research Fellow – e-Sustainability, Multi-touch, PI: Janet Abrams*
- Fall/Spring 2006/07 **University of Minnesota, School of Music**, Minneapolis, Minnesota, USA  
*Research Assistant – Electronic Music, PI: Doug Geers*  
*Research Assistant – Time Symposium*
- Summer 2006 **University of Minnesota, Dept. of Art**, Minneapolis, Minnesota, USA  
*Instructor – ARTS3601 New Media, Time and Interactivity*
- Spring 2006 **University of Minnesota, Dept. of Art**, Minneapolis, Minnesota, USA  
*Teaching Assistant – Experimental Video, with Prof. Diane Willow*  
*Research Assistant – Time and Interactivity, PI: Prof. Lynn Lukkas*  
*Teaching Assistant – Experimental Art, with Prof. Diane Willow (May Term)*
- Fall 2005 **University of Minnesota, Dept. of Art**, Minneapolis, Minnesota, USA  
*Teaching Assistant – Digital Processes with Prof. Lynn Lukkas*  
*Teaching Assistant – Experimental Media with Prof. Lynn Lukkas*
- Summer 2005 **University of Minnesota, Dept. of Art**, Minneapolis, Minnesota, USA  
*Max/MSP/Jitter Summer Workshop*  
Facilitated Max/MSP/Jitter workshop for art faculty and students.
- Jan 2005-May 2005 **University of Minnesota, School of Music**, Minneapolis, Minnesota, USA  
*Research Assistant – Electronic Music, PI: Doug Geers*  
Assisted in design of wireless laptop improvisational orchestra.  
*Research Assistant – Time and Interactivity, PI: Prof. Lynn Lukkas*  
Incorporated bio-sensors into interactive environments and theatrical performances
- Sept. 2002 – Dec. 2004 **University of Minnesota, Dept. of Biomedical Engineering**, Minneapolis, Minnesota, USA  
*Research Assistant – Brain Modeling Laboratory, PI: Prof. Peter N. Steinmetz, M.D., Ph.D.*  
Designed, implemented and deployed a real-time distributed neural data analysis toolkit  
Carried out depth recordings on epilepsy patients at UCLA School of Medicine  
Designed experimental paradigms and custom data analysis software
- Summer 2004 **Century College, Upward Bound Math and Science**, White Bear Lake, Minnesota, USA  
*Instructor: “Introduction to Biotechnology”*  
Designed and taught course using Medtronic’s *Pacemaker Project* materials
- Summer 2002 **Dresden-Friedrichstadt Hospital**, Dresden, Saxony, Germany  
*Research Intern – Institute for Clinical Chemistry, PI: Prof. Thomas Demant, M.D., Ph.D.*  
Routine serum analysis, machine calibration; assisted with scientific document translation
- Jan. 2002 – May 2002 **Saint Louis University School of Medicine, Dept. of Neurology**, Saint Louis, Missouri, USA  
*Research Assistant – Midwest Epilepsy Treatment Center, PI: Prof. R. Edward Hogan, M.D.*  
Worked to correlate specific postictal behaviors with corresponding EEGs  
Developed MATLAB software GUI to analyze EEGs
- May 1999 – Sept. 2001 **Zassi Medical Evolutions**, Saint Louis, Missouri, USA  
*Associate Product Development Engineer (Summer 2001 - Fall 2001)*  
Designed a colostomy measurement device, oversaw third party manufacturing  
*Engineering Intern (Summer 1999 - Spring 2001)*  
Conducted original clinical research at Washington University School of Medicine
- Sept. 1997 – Sept. 1998 **Whiteside Biomechanics**, Saint Louis, Missouri, USA  
*Engineering Intern*  
Participated in orthopedic instrument/prosthesis design, inspection and testing

## Media Skills:

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**Platforms:** OS X, Linux, Windows

**Programming Languages/Environments:**

openFrameworks, C , C++, Java, Processing, Max/MSP/Jitter, Objective-C, iPhone SDK, MATLAB, MySQL, PHP, Ruby/Rails, Bash

**Foreign Languages:**

German proficiency certificate from the University of Minnesota

**Programs:** MATLAB, R, Pro/Engineer and SolidWorks CAD suites, Sketchup, MS Office Suite, Adobe Publishing Products, Final Cut Pro, Adobe After Effects

**Hardware:** iPhone, Gumstix, Arduino, Make Controller, Teleo, Cricket, Basic Stamp, DSP, Sensors, AVR/Atmel

## Selected Honors, Service:

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**Honors:** Eagle Scout; Alpha Chi, Golden Key and NHS National Honor Societies

**Service:** Humanitarian work in Haiti, Romania and Mexico