

# Stefan Kreitmayer

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## Curriculum Vitae, Spring 2010

**Stefan Kreitmayer** develops interactive and reactive computer graphics for live music performances and installations. Recent works have focussed on interdisciplinary collaborations with composers, directors, designers, and choreographers. Earlier activities in film music and sound design. Currently working as a research student at the Open University on a project about climate change and collaborative learning with multitouch tables.

## Employment / Teaching

### **Open University, United Kingdom**

Four month student internship in the computing department, Open University.  
Research in Human Centered Computing (HCC) and climate change.

### **University of Bremen, Germany**

Assistant researcher at compArt center of excellence digital art. Data gathering and technical contributions to the compArt Data Base Digital Art <http://dada.compart-bremen.de>

### **University of the Arts Bremen, Germany**

Tutor of Media Informatics.

I assisted Prof. Dr. Frieder Nake during an introductory seminar on Object Oriented Programming for postgraduate design students. The language employed was Processing (simplified Java), and the format was a hybrid lecture-workshop situation with 50% hands-on exercises. My job was to prepare example programs and to provide guidance for the students. I also had a significant influence on the content of the curriculum.

### **Folkwang University, Germany**

Tutor of Music Informatics.

Accompanying the Music Informatics seminars by Prof. Thomas Neuhaus, students met weekly for laboratory coaching sessions with me as a tutor. I helped the students understand and accomplish the tasks given by the professor. The course was about functional programming (Scheme) for first year composition students.

### **Bürgertreff Ingolstadt, Germany**

One year of teaching experience with 8-10 year olds in 2000 for the project <http://www.kidnetting.de>  
The children learned the basics of HTML and Flash to create and upload content to kidnetting.de

## Education

- 2008-2010 Took several classes at the University of the Arts Bremen, Germany, whilst pursuing free-lance career in visual design.
- 2003-2008 Diplom in Electroacoustic Composition, Folkwang University, Germany. Graduated in time after 5 years with the highest achievable mark of 1.0. The German Diplom is generally accepted as the equivalent of a Master's Degree and used to be the prerequisite for a doctorate before the Bologna Process. My thesis was about affordances and interoperability in music software and involved the development of a novel audio sequencer prototype.
- 1991-2003 Private music lessons: piano, bass guitar, solfège.
- 1987-2000 University-entrance degree in Ingolstadt, Germany.

## Spoken Languages

English, German

## Computing experience

### Programming

Overcoming the constraints of existing applications for my audiovisual projects has often meant developing GUI applications, custom languages, and scripts for image or audio batch processing. Some of my software is shared among colleagues. I also created software art and taught programming.

Processing, C, C++, Objective C, Java, Python, Awk, Scheme, ActionScript, HTML, MySQL

### Operating Systems

OS X, Linux, Windows

### Audio Software

Standard audio applications I have become familiar with during my music study and as a freelancer, in the studio as well as on stage, include:

Logic Pro, Nuendo, Ardour, SuperCollider, Pure Data, Csound, Chuck, Audacity, Max/MSP

### Graphics Software

Design work for clients and stand-alone art in the form of animations, web sites, games, posters. I have a preference for software that is modular, expandable and extensible by means of open source or scripting interfaces.

Photoshop, Blender, Flash, Gimp, Inkscape, FFmpeg, ImageMagick

## Music Collaborations with

Carla Bley, Steve Swallow, Frieder Nake, Gordon Kampe, Jan Klare, Uwe Storch, Neil Leonard, Thomas Neuhaus, Dietrich Hahne, Claudius Lazzeroni, Bruno Klimek, Sebastian Jäger,

Emex Ensemble, El Parque, Carlos Maria Romero