

EDUCATION

Master of Human-Computer Interaction
Carnegie Mellon University
August 2003 – August 2004 :: Pittsburgh, PA

Bachelor of Arts in Music
Carleton College
1999 - 2003 :: Northfield, MN

SKILLS / TOOLS

Areas of expertise
Information Visualization
Interface and interaction design
Web development

Visual
Photoshop, Illustrator, OmniGraffle

Audio
Logic Studio, Max/MSP

Code
Ruby, Ruby on Rails, Java, Processing, Max/
MSP, JavaScript, HTML/XHTML, CSS

RECENT WORKS

Dreaming F.I.D.S.
Art installation in San Jose airport, fish
tracking and pseudo-visualization
(led by Ben Hooker and Shona Kitchen)
to be shown Jun 2010 – Dec 2011

Visual Scratch
Live visualization of turntablist performance
April 2006

MaxLink
Tools for Interactive and Collaborative Art
June 2004 – present

History of Sampling
Interactive Visualization of Music Sampling
April – June 2004

JazzVid
Live Reactive Graphics Performance System
October 2003 – May 2004

Live Audio Sampling Instrument
July 2002 – February 2003

WORK EXPERIENCE

Product Lead / Developer / Designer
Figure 53
July 2009 – present :: Seattle, WA

Leading design and development of Chroma Tickets, a web based ticketing platform for theaters for Figure 53, a three-person Baltimore-based company focusing on tools for artists.

Software Engineer
IBM Research
May 2005 – March 2010 :: Cambridge, MA

First hire in Martin Wattenberg's Visual Communication Lab prototyping interactive information visualization systems. Lead developer for Many Eyes and Visualization Lab. Led architecture and development for initial J2EE version and subsequent rewrite in Ruby on Rails. Additional visualization consulting for other projects and departments.

User Interface Design Consultant
eJamming, Inc.
August 2004 – February 2005 :: Boston, MA

Designed and rendered the user interface for a first-generation collaborative music software product under tight deadlines. Worked with client, developers, and potential users to create an intuitive and usable design.

Usability Consultant / Project Manager
Major US Auto Manufacturer (through Carnegie Mellon)
January – August 2004 :: Pittsburgh, PA

Project manager and team member of HCI student group designing interaction and interface for a major automotive manufacturer's next-generation audio product. Created cross-platform interactive prototype using Flash and Java. Iterated design and prototype based on user testing and feedback.

Technology Intern
ZEFER (now Niteo)
1999 – 2000 :: San Francisco, CA

Technology team member for ZEFER, then an 800-person strategic internet consulting firm. Contributed to technical architecture, design and development of worldwide wine auction website.

Lead Developer
Sandhill Arts
1999 :: Palo Alto, CA

Co-designed and implemented quilt auction website. The website was written up as a Microsoft E-Commerce Case Study in July 1999, and acquired in March 2000 by PRIMEDIA, a large special-interest magazine publisher.

Web Application Developer
PricewaterhouseCoopers Technology Center
1997 – 1999 :: Menlo Park, CA

Developed prototypes using then cutting-edge web technology, including Dynamic, JavaScript, VBScript, Active Server Pages, XML, and Macromedia Shockwave. Designed and implemented an interactive search page that increased the ease-of-use of a powerful in-house search engine.

PATENTS

System and method for annotation

Franciscus J. Van ham, Martin M. Wattenberg, Fernanda B. Viegas, Jesse H. Kriss, Matthew M. McKeon
U.S. Patent application number 11/844,787
Filed August 2007

Doubly Linked Visual Discussions for Data Visualization

Jeffrey Heer, Jesse H. Kriss, Franciscus J. J. van Ham, Fernanda B. Viegas, Martin M. Wattenberg
U.S. Patent application number 11/844,833
File August 2007

Hosted Data Visualization Service

Jesse H. Kriss, Franciscus J. J. van Ham, Fernanda B. Viegas, Martin M. Wattenberg
U.S. Patent application number 11/770,432
Filed June 2007

System and method for visually analyzing geographic data

Martin M. Wattenberg, Jesse H. Kriss, Fernanda B. Viegas
U.S. Patent application number 11/427,907
Filed June 2006

PUBLICATIONS

Your Place or Mine? Visualization as a Community Component

Catalina M. Danis, Fernanda B. Viégas, Martin Wattenberg, Jesse Kriss
CHI 2008

Harry Potter and the Meat-Filled Freezer: A Case Study of Spontaneous Usage of Visualization Tools

Fernanda B. Viégas, Martin Wattenberg, Matt McKeon, Frank van Ham, Jesse Kriss
HICSS 2008

Many Eyes: A Site for Visualization at Internet Scale

Fernanda B. Viégas, Martin Wattenberg, Frank van Ham, Jesse Kriss, Matt McKeon
InfoVis 2007

Talk Before You Type: Coordination in Wikipedia

Fernanda B. Viégas, Martin Wattenberg, Jesse Kriss, Frank van Ham
HICSS-40 2007, Awarded Best Paper

Designing for Social Data Analysis

Martin Wattenberg, Jesse Kriss
IEEE Transactions on Visualization and Computer Graphics 2006

MaxLink: a New Tool for Networked Performance

Jesse Kriss
ICMC 2006