

Sean Voisen
Creative Technologist

e-mail: sean@voisen.org

web: www.voisen.org

objective To work on innovative, forward-thinking projects that make creative use of software to aid in learning, play, collaboration, and creative expression.

technical abilities **Programming Languages** (*in order of familiarity*)

ActionScript, Ruby, C/C++, PHP, Java, Javascript, SQL, Perl

Frameworks and Protocols (*in order of familiarity*)

Adobe Flex 3/4, Ruby on Rails, XMPP (Jabber), Android, RTMP (Flash Media Server)

Other (*in order of familiarity*)

Atmel Microcontroller C/C++, Eagle CAD, Microcontroller-based Circuit Design

consulting projects **AlphaSense, Inc.** (*Apr 2010 – Present*)

Acted as lead user interface designer and client-side architect for a financial services search and data visualization application built using Flex 3, BlazeDS, Apache Tomcat and Solr Lucene.

Inside Personal Growth (*Jan 2009 – Apr 2009*)

Designed and developed a unique podcast website and learning portal for the personal growth publishing industry using the Wordpress platform. Wrote several custom PHP-based plug-ins for Wordpress.

Userplane (AOL) (*Oct 2006 – Apr 2009*)

Served as primary developer for Userplane's flagship Webmessenger 2 and Userlist 2 instant messaging software using Flex 2/3 and Flash Media Server.

PayPal and Adobe Systems (*Sep 2007 – Oct 2007*)

Prototyped and developed PayPal Desktop, a desktop-based sales analytics (data visualization) application for PayPal using the Adobe AIR platform. The software was demonstrated during the keynote presentation at Adobe MAX 2007.

research experience **University of California, Irvine** (*Aug 2009 – May 2010*)

Performed research in computational narrative generation and computational linguistics using the Princeton Wordnet Database, U. of So. Florida Database of Free Association Norms and the Ruby programming language.

University of California, Irvine (*May 2009 – Aug 2009*)

Worked with Professor Beatriz da Costa to design and prototype a GPS- and camera-equipped tracking tag to help track seabirds for scientific research in South Africa. Released open-source C++ camera driver for AVR microcontrollers.

full-time positions **Compassionate Communications, LLC** (*Dec 2007 – May 2009*)

Director of Technology

Acted as lead designer and developer of an innovative “healing card” website for recently diagnosed cancer patients in partnership with Hallmark Cards, Inc. and numerous health-related charitable organizations. Website was built using the Ruby on Rails framework.

eluminate, Inc (*Aug 2004 – Dec 2007*)

Co-founder

Served as lead product designer and user interface designer of an executive-focused e-learning system built in Ruby on Rails called “Digital Seed.” Facilitated several management training workshops and seminars for clients such as Qualcomm and Taiyo Yuden.

Media Insites, Inc (*Sep 2001 – Dec 2004*)

Co-founder

Co-founded website and web application development company, focusing on Flash- and PHP-based technologies. Released XIFF, the first open-source ActionScript library for Flash-based XMPP (Jabber) chat and instant messaging software development.

Taliant Software, LLP (*Oct 2003 – Jul 2004*)

J2EE/Flash Developer

Worked as client-side developer of Taliant’s enterprise-level insurance management system built using Flash and Java remoting.

teaching/speaking experience **Art Institute of California, San Diego** (*Aug 2007 – Aug 2008*)

Teacher in Interactive Media Design

Taught courses in web and interactive media design, including Intermediate Authoring (MM3302), Multi-user Authoring (MM3322), Streaming Media (MM3313) and Interactive Design for Entertainment (MM3301).

FITC Conference, Toronto (*Apr 2008*)

Delivered presentation on developing Internet-enabled desktop applications using Adobe AIR and SQLite.

Council of Supply Chain Management Professionals, San Antonio (*Oct 2006*)

Delivered presentation on mindfulness and meditation for busy corporate executives.

education **University of California, Irvine** (*Aug 2008 – Jun 2010*)

M.S. in Information and Computer Science with concentration in Arts Computation Engineering.

University of California, Los Angeles (*Aug 1999 – Jun 2003*)

B.S. in Computer Science.