

## Experience

### 2008-10 Software Engineer, GameFly

**GameAnswers.com** Lead the port of a gaming-specific Q&A site from Ruby on Rails to C# ASP.NET MVC, while also decomposing the system into a generic Q&A framework, in a very aggressive 21 man-week timeline. Separated concerns by applying domain-driven design patterns to mitigate risk, as no formal requirements documents were provided. This facilitated the late addition of homegrown distributed caching in just two man-days. Leveraged Lucene.net for search and exceeded responsibilities by testing for load with WCAT, for performance with Ecatec Profiler, and for leaks with CLR Profiler.

**GameFly.com** Expanded capabilities of promotion system, built services to support business-to-business relationships, and maintained various site functions using C#, TypeMock, moq, MS Build, Castle Windsor, NHibernate, ASP.NET, and XSLT.

**Ponged.com** Implemented concurrent data cache and browser-agnostic CSS and JavaScript for highly-stylized C# ASP.NET site, and assumed duty of informing business owner of outstanding issues throughout the project term.

**Various GF Media sites** Implemented significant SEO enhancements, provided on-call support, contributed and enhanced product ideas, and integrated and implemented various company SOA initiatives.

### 2007-02 Lead Developer, Reborn Studio (now Famous Interactive)

**FindItLocal.org** Collaborated with customer and UI designer to develop core product concepts into a complete, intuitive geographic product search site, and lead implementation applying the Model-View-Presenter pattern in WebForms and C#, and using SQL Server full-text search.

**MyDamnChannel.com** Designed SQL Server database schema and object-oriented domain model in C# for ASP.NET video publishing platform, including XSS-filtering for HTML input per customer's risk tolerance.

**WebRidesTv.com** Lead codebase refactor and optimization of C# ASP.NET site to scale server load to 40+ million pageviews per month, designed overall information architecture including navigation and object representation, and developed line-of-business multithreaded report auditing tool to validate customer promotional claims.

**Development lifecycle** As Lead Developer, introduced subversion, structured use-case gathering, activeCollab (then-open-source Basecamp clone) and object-oriented separation of concerns to transform the company into an attractive merger target.

### 2004-08 Programmer/Analyst II, UCLA College Information Services

**Grade Publishing Web Service** Designed and built C# ASMX SOAP gateway to receive and store critical student grade information. Implemented custom WS-Security authorization headers to integrate university authentication web service, leveraged Enterprise Library Data Access AB to support persistence ignorance, attended to service definition and message XML Schema versioning, and complied with WS-I Basic Profile for interoperability.

**Remote Calendar Web Service** Built SOAP-based gateway in Visual Basic .NET to manipulate Microsoft Exchange calendar data with the COM-based Collaboration Data Objects API, and Active Directory listings with ADSI.

**Orientation Program Tools** Maintained legacy ASP web applications supporting Orientation Program operations.

### 2003–now Linux System Administrator (for self)

**Network-attached storage** RAID-based Samba server with nightly incremental backup to external disk, weekly full rsync backup to Amazon S3, uninterruptible power supply with automated shutdown, and OpenVPN remote access, supporting home theatre data and hourly wireless laptop backups.

**Email** Postfix MTA with Bayesian spam filtering and virus detection, virtual addresses, IMAP and web access, and 3rd-party failover relay and MX record. Recently completed seamless migration to Google Apps.

**ScrambledBrains.net** WordPress-based blog with custom PHP integration of foursquare and Last.fm JSON data, support for posting via email and PixelPipe service, and monitoring for availability by 3rd-party.

**Wika.ScrambledBrains.net** ScrewTurn-based wiki running on IIS in a VMWare virtual machine, transparently sharing port 80 with Apache in the host OS via Apache's hostname-based reverse proxying.

## Education

2006-06 B.A. Political Science, UCLA. Also completed significant portion of CSE (CS+EE) program.

2003 Programming courses at community colleges: 28 units, 3.80 GPA.