

# Mark Christian

(650) 248-2424

1121C Woodside Road  
Redwood City, CA, 94061  
m@rkchristian.ca

## Skills

### Front- and back-end web development

AJAX, CSS, HTML5, JavaScript, jQuery, JSON/JSONP, MySQL, PHP, Prototype, Python, Ruby, Unix shell-scripting, XML.

### Desktop development

C, C#, Cocoa, Java, .NET, Objective C, Visual Basic.

### Applications

BEdit, Git, Photoshop, TextMate, Xcode, Subversion, #Develop, Visual Studio.

## Work Experience

### Software Engineer, Twitter, San Francisco, CA

*Twitter is an online communication system.*

October 2010- present

- Built high-performance web site using JavaScript, jQuery, and Rails
- Analyzed and improved performance, decreasing load times by 80%
- Significantly refactored large, existing code base
- Worked with internal task force to develop and deploy corporate values system
- Investigated and tested deployments of new technologies

### Senior Software Engineer, PBworks, San Mateo, CA

*PBworks builds hosted collaboration software for businesses.*

February 2008 - October 2010

- Built high-performance AJAX interfaces using HTML5 and Prototype
- Designed and implemented significant new user-facing interfaces and re-designed existing interfaces with noticeable usability improvements.
- Built scalable back-end systems using PHP that support hundreds of thousands of users per month and gracefully handle concurrent changes by multiple users.
- Led a data migration of 1+ million user workspaces to a new back-end
- Built an automated Microsoft Office-to-HTML conversion system.
- Built subsystems and re-usable components used by several other developers.
- Performed user testing, gathering feedback and iterated on it.
- Wrote automated tests using PHPUnit and Selenium.

### Software engineer, v.1 Labs, Halifax, NS

*v.1 Labs built tech support and setup applications for ISPs and device manufacturers.*

June 2006 - February 2008

- Led the effort to support Mac OS X, including re-implementing a C# application in Objective C.
- Created a desktop-to-web remote access (VNC) tunnelling system using C#, Java, and PHP.
- Created extensible, plugin-based systems in both C# and PHP
- Desktop development using C#, Objective C, and Visual Basic
- Web development with PHP, MySQL, JavaScript, and XHTML+CSS

### Developer, Freelance

*Built-to-order web sites, conversions, and miscellaneous projects.*

July 2006 - present

- Created public-facing web sites to specifications given by clients
- Front-end development with JavaScript and XHTML+CSS
- Server-side development with PHP and MySQL

# Mark Christian

(650) 248-2424

1121C Woodside Road  
Redwood City, CA, 94061  
m@rkchristian.ca

## Education

**Bachelor of Computer Science**, Dalhousie University, Halifax, Nova Scotia  
2001 – 2006

Notable courses: Advanced Web Programming, Compiler Construction, Networking, Network Security, Software Engineering, Usability Engineering.

## Personal Projects

**Lidpop**, a Macintosh application for playing sound effects in response to system events.

<http://shinyplasticbag.com/lidpop>

**OpenKeyval**, a free, open source data storage system for the web.

<http://openkeyval.org/>

**Prioritize My Work**, a tool for coordinating lists of work items with other people.

<http://www.prioritizemywork.com/>

**Help Bubble**, a free service for adding a context-sensitive help widget to web sites.

<http://www.helpbubble.com/>

**Distributed Boing Boing**, a distributed censorship circumvention tool.

<http://markchristian.org/projects/dbb/>

**Life**, an implementation of Conway's Game of Life as a Mac OS X screensaver.

<http://markchristian.org/projects/textmonster/>

**textMonster**, an alternative syntax for regular expressions modeled after jQuery method chaining.

<http://markchristian.org/projects/textmonster/>