

Marc Abramowitz

Web: <http://marc-abramowitz.com>

E-mail: marc@marc-abramowitz.com

- Experience: Yahoo!, Inc. – Tiger Team** **Sunnyvale, CA**
Principal Software Engineer Aug 2008 to Present
- The Tiger Team provides temporary engineering resources to teams that need additional resources for high-priority projects.
 - [Current] Developing a mock HTTP server and APIs to aid in the testing of software that depends on web services. Python and Perl.
 - Revitalized an internal application that had fallen into disrepair, fixing broken features and performance bottlenecks and updating antiquated components. PHP, Perl, Oracle.
 - With a team of 4 developers, relaunched <http://advertising.yahoo.com/>, using Drupal 6 as the CMS and various 3rd party and custom modules. Drupal and PHP.
- VMware – Host Agent Team** **Sunnyvale, CA**
Staff Engineer Aug 2007 to Aug 2008
- Rewrote legacy vmware-cmd tool in Python. Added new features including an interactive command shell with command completion and history. The new code base is highly modular and extensible and has a suite of over 300 unit and integration tests.
 - Developed a prototype of a key management tool using Adobe Flex.
- Yahoo!, Inc. – Tiger Team** **Sunnyvale, CA**
Principal Software Engineer June 2005 to Aug 2007
- Wrote [XUL](#) and [JavaScript](#) code for a major rewrite of the sidebar and bookmark synchronization code in the [del.icio.us Bookmarks Firefox extension](#).
 - Developed C++ code for serving ads in RSS and Atom feeds.
- Yahoo!, Inc. – Yahoo! Personals** **Sunnyvale, CA**
Senior Software Engineer May 2002 to June 2005
- Developed photo cropping system, consisting of AJAX JavaScript web interface for editing and reviewing photos, backend data store, photo upload, and automatic face detection using Intel's [OpenCV](#) library.
 - Developed numerous mechanisms for detecting and preventing abuse of the site by spammers. PHP and Perl.
 - Miscellaneous feature development and bug fixes. PHP, C++, JavaScript, MySQL.
 - Periodically served week-long 24×7 on-call (pager) duty to handle site operations.
- Fireclick** **Los Altos, CA**
Senior Software Engineer July 2000 to May 2002
- Developed Java servlets for Netflame application service.
 - Developed C++ [NSAPI](#) plug-in for fast, flexible control of cacheability headers with Netscape Enterprise Server on Solaris and Windows NT platforms.
- Digidesign** **Palo Alto, CA**
Software Engineer Aug. 1998 to May 2000
- Added support for new CD writers for [MasterList™ CD](#) versions 2.1.1, 2.1.2, and 2.2.
 - Developed features and fixed bugs for Digidesign's flagship [Pro Tools®](#) software.

- Developed Pro Tools driver for [Control|24™](#) hardware console in C++.
- Designed and developed cross-platform (Win32/MacOS) engine for burning audio CDs and drivers for several popular SCSI and ATAPI CD burners.

Stanford University**Stanford, CA***Research Assistant - Computer Systems Lab*

June 1996 to June 1998

- Developed tool in Tcl/Tk and C++ for viewing graphs of event-based systems.

Lawrence Livermore National Laboratory**Livermore, CA***Institute for Scientific Computing Research*

Aug. 1995 to June 1996

- Extended FORTRAN and C code for simulation of human hand joint kinematics.
- Developed C and C++ software for processing & viewing computer tomography data.

New Jersey Institute of Technology**Newark, NJ***Chemistry Department*

June 1991 to Sept. 1991

- Developed software for calibration and data collection from a spectrophotometer.

Education:**Stanford University****Stanford, CA***Master's degree in Computer Science*

June 1998

Binghamton University**Binghamton, NY***Bachelor's degree in Computer Science*

Dec. 1995

Side projects: Wordly

- Wrote a successful and highly-rated word game for the iPhone, which is available on the iPhone App Store. <http://marc-abramowitz.com/wordly/iphone/>
- I wrote another version of the same game for any platform that can run Python. <http://marc-abramowitz.com/wordly/>

Publications: [How to run Linux inside Linux with User Mode Linux](#)*Linux.com, January 11, 2007***[Installing Linux-VServer](#)***Linux.com, January 8, 2007***[Creating virtual private networks with tsocks and VTun](#)***Linux.com, June 12, 2006***[Pull-Down Menus - for Atari BASIC programs](#) (BASIC program and accompanying article)***Antic Magazine, March 1990***[Red Squares - Atari Tetris clone](#) (BASIC program and accompanying article)***Antic Magazine, July 1989*