

# JOSEPH M. GALLO

gallo.j@gmail.com

---

## TECHNICAL KNOWLEDGE

Java, Python, Perl, PHP, C++, C, Apache, Tomcat, MVC, JUnit, Cactus, Ant, JavaScript (jQuery, Dojo), Ajax, Web Services (REST, SOAP), XML, JSON, HTML, CSS, SVN, Git, PDO, Oracle, MySQL, PostgreSQL, SQLite, Trac, Nagios, NSIS, Wise, Regex, Scheme, Linux, Windows

## EDUCATION

### University of Massachusetts Amherst (Amherst, MA : 2003 - 2007)

Bachelor of Science, May 2007

Double Major in Computer Science and Mathematics

Mathematics Concentration in Mathematical Computing

Graduated Cum Laude with Commonwealth College Honors

Departmental Honors in Computer Science

GPA: 3.49

## WORK-RELATED EXPERIENCE

### Programmer/Analyst (Berkeley, CA : August 2008 - April 2010)

UC Berkeley Graduate Division (<http://grad.berkeley.edu>)

- Worked on [GLOW](#), a J2EE web app with Oracle back-end that provides graduate student-related information and services to students, faculty, and staff.
- GLOW received the Larry L. Sautter Award for Innovation in Information Technology.
- Worked on several different GLOW projects including online fellowship competition, compliance reports, departmentally restricted awards, and a fee remissions payment system.
- Wrote customized Trac LDAP plugin in python.
- Wrote series of Jakarta Cactus unit tests.
- Migrated from Jaguar server to Apache/Tomcat.

### Programmer [Contract] (San Francisco, CA : April 2008 - August 2008)

CherryBlossoms (<http://www.blossoms.com/>)

- Wrote web-based chat with LAMP backend.

Askmoses (<http://www.askmoses.com/>)

- Wrote popup dialog allowing user to submit question.

ireminder (<http://ireminder.com/>)

- Refactored site code (php/html).

### Software Developer (San Francisco, CA : September 2007 - March 2008)

blinkx, Inc. (<http://www.blinkx.com>)

- Worked on blinkx beat, an interactive client application that brings latest video content from blinkx site to the desktop. Application was done in C++, using Win32 API, and the installer in NSIS.
- Helped merge blinkx beat with pico, an application that shows videos related to contents of viewed web page. Used Ajax, CSS, HTML for the front-end and converted pico's installer, written in Wise, to NSIS.
- Worked on Firefox extension that uses DownloadHelper to extract media source url's of videos normally unobtainable by usual means (HTML, XML).
- Wrote several web crawlers in perl to fetch video content from numerous sites. Maintained media content via MySQL.

### Software Developer / Research Assistant (Amherst, MA : 2006 - 2007)

Professors Ed Riseman and Allen Hanson as [NSF-funded] ASSIST Project leaders

- Designed and developed address book application intended for elderly users, with simple Java Swing GUI front-end, featuring large accessible widgets and SQLite database back-end.
- Helped integrate suite of applications (fall detection, object finder, videophone, calendar, address book) intended to prolong an elderly user's ability to live independently in a setting of his/her choice.

## FUN-RELATED EXPERIENCE

- Wrote video bookmarker system using PHP, PDO, PHP-ffmpeg, SQLite, VLC web plugin, jQuery, HTML, CSS.
- Working on an HTML5 canvas adaptation of puzzle game Chip's Challenge. Includes map creator/editor.
- Wrote IRC bot in python that hooks into BART (Bay Area Rapid Transit) web service and provides ETA info given origin and destination.
- Built a [TV-B-Gone](#) universal remote device.
- Built a [Minty Boost](#), a battery-powered USB charger.
- Built a [Fuzebox](#), an open source 8-bit game console.