ALEXANDRA ELLWOOD

14 Conwell Street   lxs@mac.com
Somerville, MA 02143-1303   617-308-0577

SKILLS

Experience providing technical leadership to development teams, architecting large software systems, designing APIs and running projects using agile methodologies. Extensive experience creating mobile-first responsive and adaptive web applications using HTML5, CSS3, Sass, JavaScript, jQuery, PHP 5 and Smarty. Familiarity with a wide range of development tools including Xcode, Eclipse, gcc, gdb, make, GitHub, Subversion, CVS and JIRA. Experience programming for iOS, Mac OS X and UNIX platforms in Objective-C, C++ and C. Able to quickly learn new programming languages, APIs and tools.

EXPERIENCE

Modo Labs, Inc.   Cambridge, MA

December 2014 – Present; *Lead Architect, Scrum Master*
Assumed additional technical responsibility in the role of lead architect for the Kurogo product team. Mentored and provided architecture and design guidance to fellow developers. Continued roles as developer and Scrum Master for the Kurogo 2.3 and 2.4 major releases.

January 2013 – November 2014; *Scrum Master, Senior Developer*
Helped lead, design and develop the Kurogo 2 project from initial architecture proposals through the 2.0.0 release. Managed the Kurogo 2 project using agile methodologies in the role of Scrum Master. Ported complex user interfaces from Kurogo 1.8 to Kurogo 2, including modules for shuttle tracking, learning management systems and library catalogs. Documented the Kurogo 2 view and controller classes and worked on the overall structure of the developer documentation. Continued to facilitate an agile development process through the Kurogo 2.1 and 2.2 major releases. Assisted the Client services team in writing custom modules for customers.

August 2010 – December 2012; *Senior Developer*
Participated in the design and development of Kurogo Mobile Framework using PHP 5, Smarty, HTML, CSS and JavaScript. Developed mobile web sites and native iPhone and iPad applications for major universities and hospitals using Kurogo.

MIT Information Services and Technology   Cambridge, MA

January 2009 - July 2010; *User Experience Engineer*
Participated in the design and implementation of AJAX web applications in Java, XSLT, Freemarker, PHP and JavaScript including a list management application (MIT WebMoira), a financial reporting tool (RAFT) and a learning management system gradebook tool (Stellar Gradebook). Worked with MIT's Adaptive Technology Information Center to provide accessibility features for zoom and screen reader technologies using WAI-ARIA standards and custom JavaScript.

June 1997 – December 2008; *Analyst Programmer*
Participated in the design and development of Kerberos for Macintosh (KfM) for Mac OS 8, 9 and Mac OS X in C and C++. Worked with Apple, Inc. to include KfM in Mac OS X Puma (10.1) through Mac OS X Snow Leopard (10.6). Release engineer and lead developer for KfM 4.5 (Jaguar) through 6.5 (Snow Leopard). Designed and implemented a cross-platform Kerberos Identity Management API (KIMAPI). Designed and implemented Cocoa user interfaces for ticket acquisition (KerberosAgent) and ticket management (Kerberos.app). Assisted in the design of several Kerberos APIs including the Kerberos Login Library (KLL) and Credentials Cache API (CCAPI). Created SocketsLib, a lightweight BSD sockets shared library based on the Open Transport networking API.

EDUCATION	**Massachusetts Institute of Technology**	Cambridge, MA

1992 - 1997. Received a Masters of Engineering and a Bachelors of Science in Electrical Engineering and Computer Science in June 1997. GPA 4.7/5.0.

HONORS   Winner of the MacHax Group's Best Hack Contest in 2000 for "DockStrip" and 1998 for "AsciiMac" with Miro Jurisic. Received the David A. Chanen Writing Award for "A Problem Encountered with Partial URLs in the World Wide Web".