

Joshua Kwan

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- EDUCATION**
- ◇ **University of California at Berkeley**, Berkeley, CA.
B.S. in Electrical Engineering and Computer Sciences, expected graduation: 2009.
 - ◇ **The Harker School**, San Jose, CA.
High school diploma, awarded Spring 2005.
- SKILLS**
- ◇ C, C++, C#, Java, BASIC/Visual Basic, Ruby, Python, Perl, SPARCv9 assembly, Lisp/Scheme, Autoconf, Makefile, SQL, HTML, JavaScript, VBScript, Visual Basic, CSS, PHP
 - ◇ Ability to use and develop on most Unix (Linux, Solaris, FreeBSD, Darwin) and Windows platforms
 - ◇ Experience with web services (SOAP) and portal development using the J2EE SDK.
 - ◇ Familiar with network programming, thread management, network programming with TCP and UDP, GTK+, Windows MFC
 - ◇ Fluent spoken/written English and French, moderate spoken/written Japanese.
- WORK EXPERIENCE**
- ◇ **Intern**, Accenture Technology Labs, Palo Alto, CA (Summer 2006)
Business Event Advisor: Project for reading RSS feeds, parsing them, and coming to conclusions based on information in the feeds. Backend development in Python, native frontend development in Visual Basic / C# .NET, and development of a completely new portal-based, webservice-backed frontend in Java.
 - ◇ **Intern**, Sun Microsystems Labs, Menlo Park, CA (Summer 2005)
The Magic Walk: Windows/Linux development in C++ to use data from a rotating laser to turn a 'display wall' of networked Linux computers into a touchscreen.
 - ◇ **Intern**, Rackable Systems, Inc., Milpitas, CA (Summer 2004)
Designed and performed benchmark suites to measure the performance of high end server hardware on the Linux platform. Also wrote a database-backed system for tracking such results and correlating them to system specifications.
 - ◇ **Free software developer** (2003 – present)
Developed free software for Unix platforms, released under the GNU General Public License, in order to further intuitive knowledge of programming methodologies.
 - ◇ **Debian Project**: Putting together software packages for the Debian GNU/Linux distribution, involving knowledge of Make, shell, C, and Perl, and understanding OS infrastructure written in those languages. Also collaborated in writing the Debian Installer's network interface management code. (<http://www.debian.org/>)
 - ◇ **Maildirtree**: Developed a utility that scans a Maildir-formatted mailbox recursively to display the number of unread messages and total number of messages in each folder in a tree format. Written in C. (<http://triplehelix.org/~joshk/maildirtree/>)
 - ◇ **ify**: Customizable and modular Perl script to convert music in a directory tree from one format to another, preserving all metadata. (<http://triplehelix.org/~joshk/code/>)
 - ◇ **ircd-hybrid**: Aided in the development of a robust chat server, written in C that is used today on the oldest and largest IRC chat network on the Internet, EFnet. (<http://www.ircd-hybrid.org/>)

- ◇ **Quod Libet:** Wrote plug-in components for a popular open-source music organizer and player written in Python. Also actively performing user-interface translation into French using the GNU Gettext system. (<http://www.sacredchao.net/quodlibet/>)

REFERENCES Available upon request.